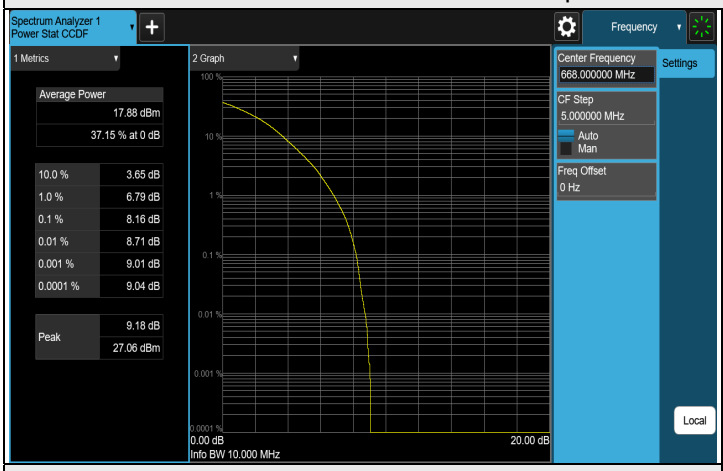
LTE Band 71 - Ant 0, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	133172	668	3.79	13	PASS
QPSK	133297	680.5	4.79	13	PASS
QPSK	133422	693	4.78	13	PASS
16QAM	133172	668	4.57	13	PASS
16QAM	133297	680.5	5.67	13	PASS
16QAM	133422	693	5.67	13	PASS
64QAM	133172	668	5.71	13	PASS
64QAM	133297	680.5	6.59	13	PASS
64QAM	133422	693	6.63	13	PASS
256QAM	133172	668	8.16	13	PASS
256QAM	133297	680.5	8.01	13	PASS
256QAM	133422	693	8.12	13	PASS

Spectrum Plot of Worst Value

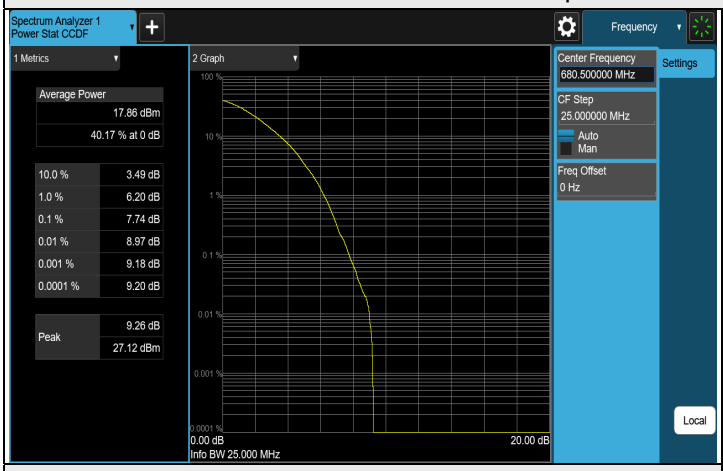


256QAM CH 133172 (668 MHz)

LTE Band 71 - Ant 0, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	133197	670.5	3.85	13	PASS
QPSK	133297	680.5	4.82	13	PASS
QPSK	133397	690.5	4.81	13	PASS
16QAM	133197	670.5	4.89	13	PASS
16QAM	133297	680.5	5.78	13	PASS
16QAM	133397	690.5	5.57	13	PASS
64QAM	133197	670.5	5.51	13	PASS
64QAM	133297	680.5	6.65	13	PASS
64QAM	133397	690.5	6.57	13	PASS
256QAM	133197	670.5	7.64	13	PASS
256QAM	133297	680.5	7.74	13	PASS
256QAM	133397	690.5	7.61	13	PASS

Spectrum Plot of Worst Value

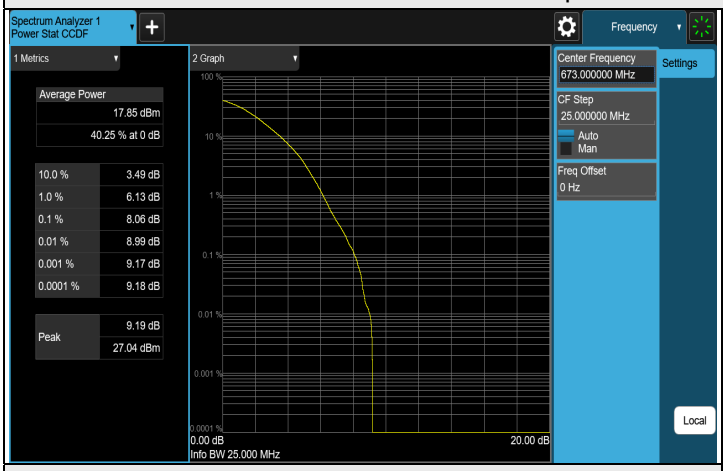


256QAM CH 133297 (680.5 MHz)

LTE Band 71 - Ant 0, Channel Bandwidth: 20 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	133222	673	4.17	13	PASS
QPSK	133297	680.5	4.63	13	PASS
QPSK	133372	688	4.89	13	PASS
16QAM	133222	673	4.88	13	PASS
16QAM	133297	680.5	5.44	13	PASS
16QAM	133372	688	5.84	13	PASS
64QAM	133222	673	5.63	13	PASS
64QAM	133297	680.5	6.54	13	PASS
64QAM	133372	688	6.53	13	PASS
256QAM	133222	673	8.06	13	PASS
256QAM	133297	680.5	7.84	13	PASS
256QAM	133372	688	7.94	13	PASS

Spectrum Plot of Worst Value



256QAM CH 133222 (673 MHz)

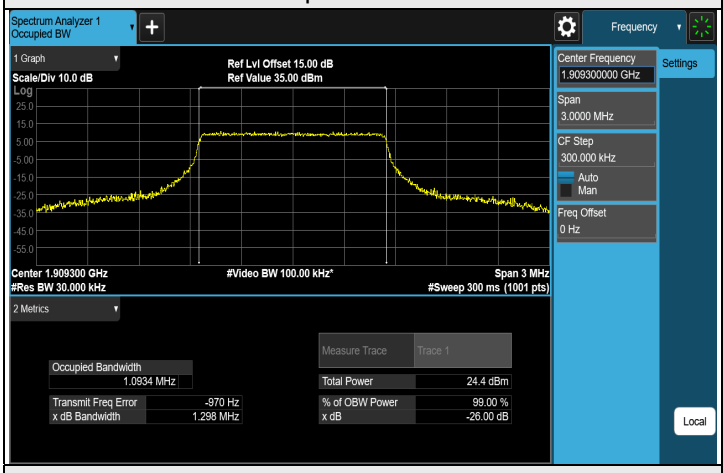
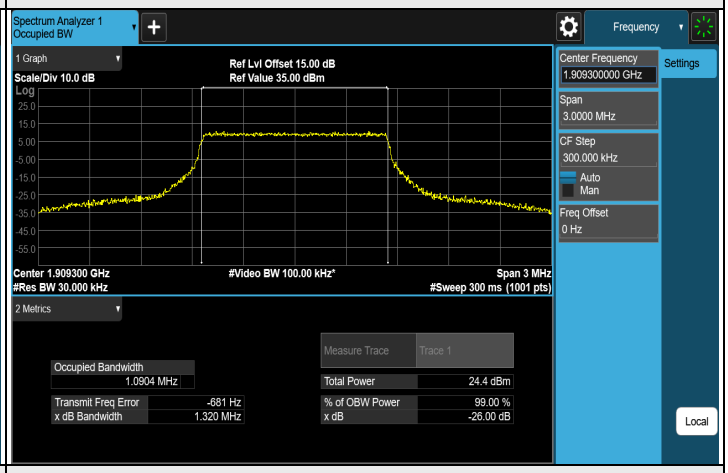
7.4 Bandwidth

Input Power:	3.87 Vdc	Environmental Conditions:	20°C, 72% RH	Tested By:	Willy Cheng

7.4.1 LTE Band 2

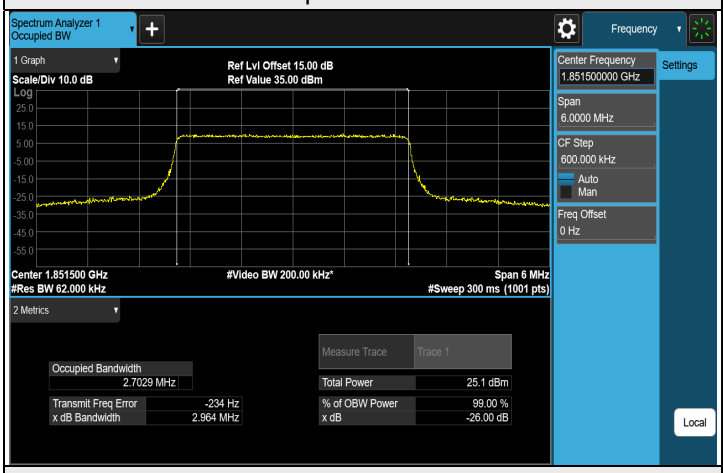
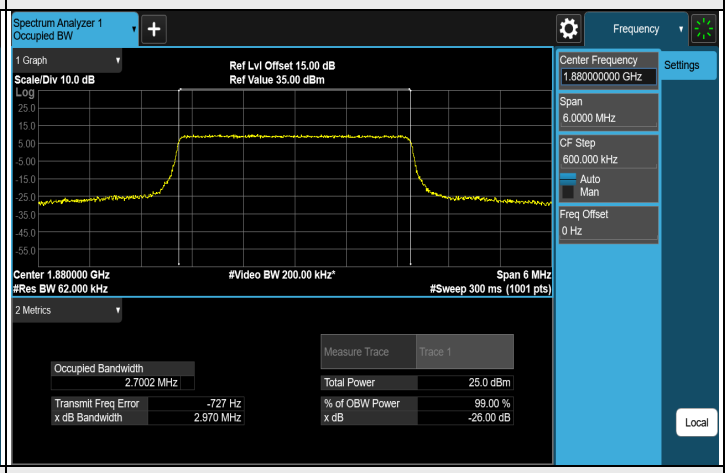
LTE Band 2 - Ant 0, Channel Bandwidth: 1.4 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	18607	1850.7	1.0908	1.296
QPSK	18900	1880	1.0905	1.307
QPSK	19193	1909.3	1.0922	1.300
16QAM	18607	1850.7	1.0913	1.290
16QAM	18900	1880	1.0912	1.316
16QAM	19193	1909.3	1.0934	1.298
64QAM	18607	1850.7	1.0921	1.307
64QAM	18900	1880	1.0909	1.296
64QAM	19193	1909.3	1.0904	1.320
256QAM	18607	1850.7	1.0904	1.302
256QAM	18900	1880	1.0912	1.307
256QAM	19193	1909.3	1.0905	1.285

Spectrum Plot of Worst Value	
Occupied bandwidth	26 dB Bandwidth
	
16QAM CH 19193 (1909.3 MHz)	64QAM CH 19193 (1909.3 MHz)

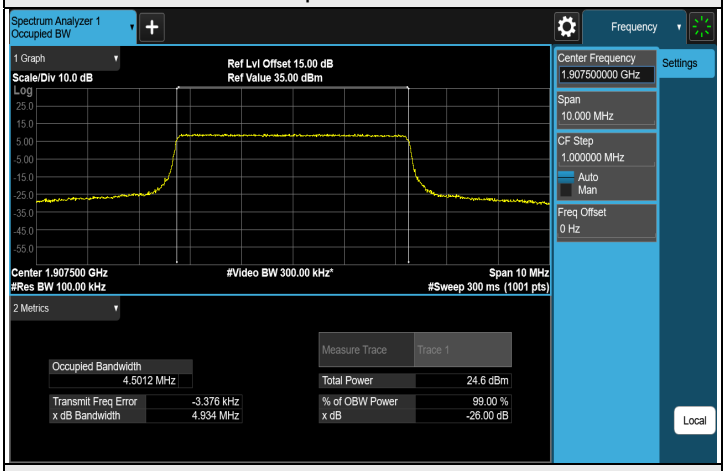
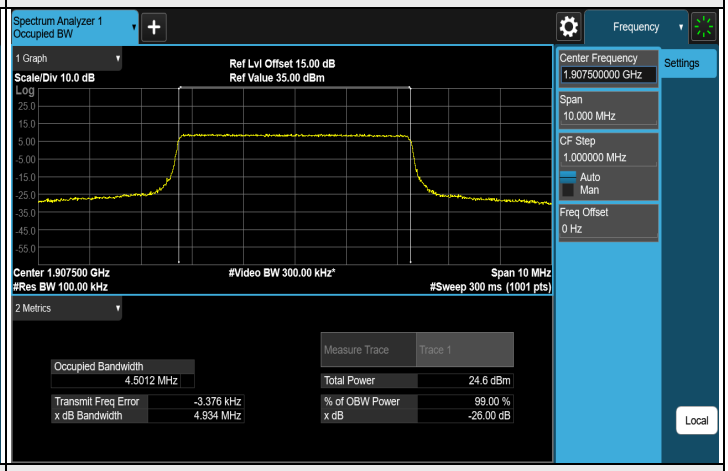
LTE Band 2 - Ant 0, Channel Bandwidth: 3 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	18615	1851.5	2.7029	2.964
QPSK	18900	1880	2.7002	2.970
QPSK	19185	1908.5	2.7028	2.954
16QAM	18615	1851.5	2.7017	2.943
16QAM	18900	1880	2.7005	2.963
16QAM	19185	1908.5	2.6997	2.939
64QAM	18615	1851.5	2.6988	2.942
64QAM	18900	1880	2.6999	2.970
64QAM	19185	1908.5	2.7025	2.955
256QAM	18615	1851.5	2.7021	2.958
256QAM	18900	1880	2.6993	2.964
256QAM	19185	1908.5	2.7007	2.948

Spectrum Plot of Worst Value	
Occupied bandwidth	26 dB Bandwidth
	
QPSK CH 18615 (1851.5 MHz)	QPSK CH 18900 (1880 MHz)

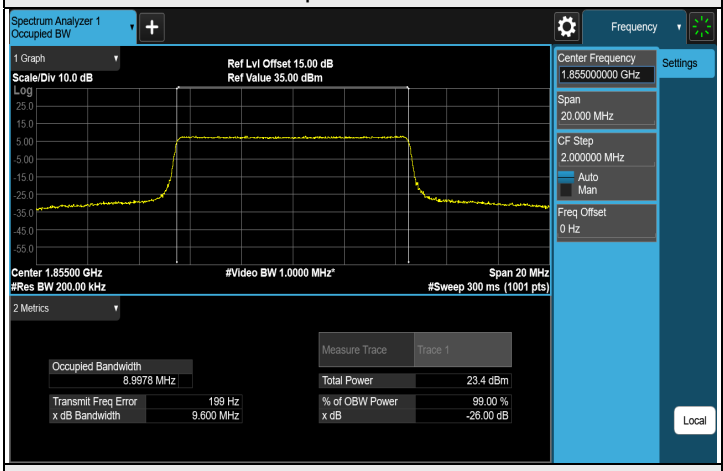
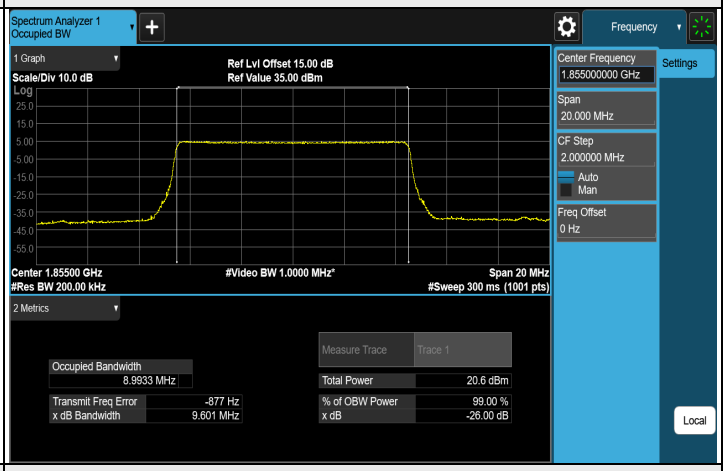
LTE Band 2 - Ant 0, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	18625	1852.5	4.5006	4.921
QPSK	18900	1880	4.4944	4.901
QPSK	19175	1907.5	4.5012	4.934
16QAM	18625	1852.5	4.4975	4.902
16QAM	18900	1880	4.4998	4.880
16QAM	19175	1907.5	4.4951	4.876
64QAM	18625	1852.5	4.5008	4.850
64QAM	18900	1880	4.4951	4.918
64QAM	19175	1907.5	4.4948	4.878
256QAM	18625	1852.5	4.4998	4.908
256QAM	18900	1880	4.4966	4.872
256QAM	19175	1907.5	4.4972	4.876

Spectrum Plot of Worst Value	
Occupied bandwidth	26 dB Bandwidth
	
QPSK CH 19175 (1907.5 MHz)	QPSK CH 19175 (1907.5 MHz)

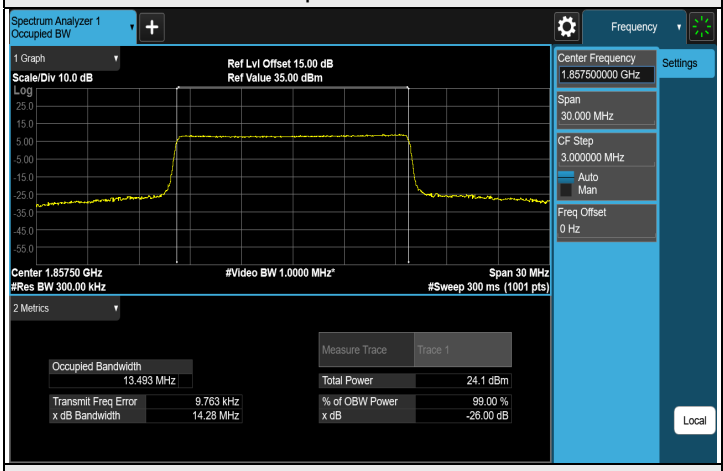
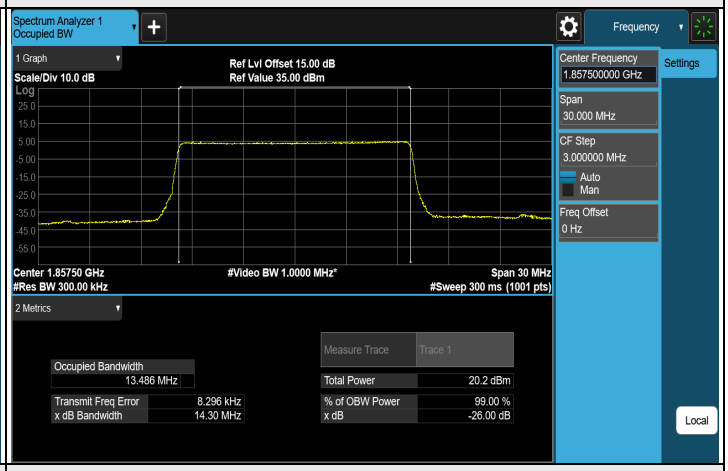
LTE Band 2 - Ant 0, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	18650	1855	8.9943	9.584
QPSK	18900	1880	8.9902	9.571
QPSK	19150	1905	8.9849	9.589
16QAM	18650	1855	8.9978	9.600
16QAM	18900	1880	8.9874	9.575
16QAM	19150	1905	8.9853	9.570
64QAM	18650	1855	8.9923	9.541
64QAM	18900	1880	8.9854	9.565
64QAM	19150	1905	8.9793	9.539
256QAM	18650	1855	8.9933	9.601
256QAM	18900	1880	8.9848	9.552
256QAM	19150	1905	8.9791	9.539

Spectrum Plot of Worst Value	
Occupied bandwidth	26 dB Bandwidth
	
16QAM CH 18650 (1855 MHz)	256QAM CH 18650 (1855 MHz)

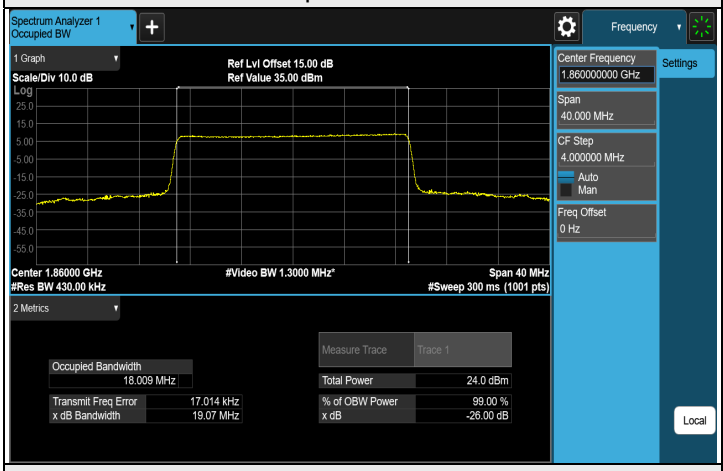
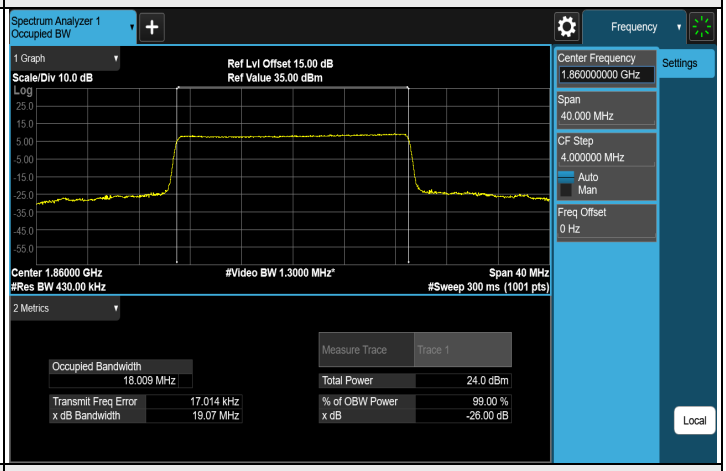
LTE Band 2 - Ant 0, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	18675	1857.5	13.4934	14.283
QPSK	18900	1880	13.4702	14.290
QPSK	19125	1902.5	13.4581	14.299
16QAM	18675	1857.5	13.4826	14.264
16QAM	18900	1880	13.4691	14.270
16QAM	19125	1902.5	13.4512	14.268
64QAM	18675	1857.5	13.4823	14.266
64QAM	18900	1880	13.4652	14.261
64QAM	19125	1902.5	13.4562	14.274
256QAM	18675	1857.5	13.4858	14.302
256QAM	18900	1880	13.4664	14.265
256QAM	19125	1902.5	13.4612	14.261

Spectrum Plot of Worst Value	
Occupied bandwidth	26 dB Bandwidth
	
QPSK CH 18675 (1857.5 MHz)	256QAM CH 18675 (1857.5 MHz)

LTE Band 2 - Ant 0, Channel Bandwidth: 20 MHz

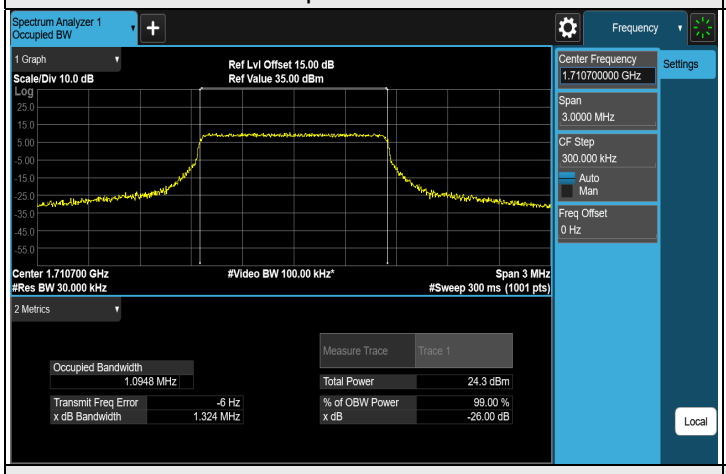
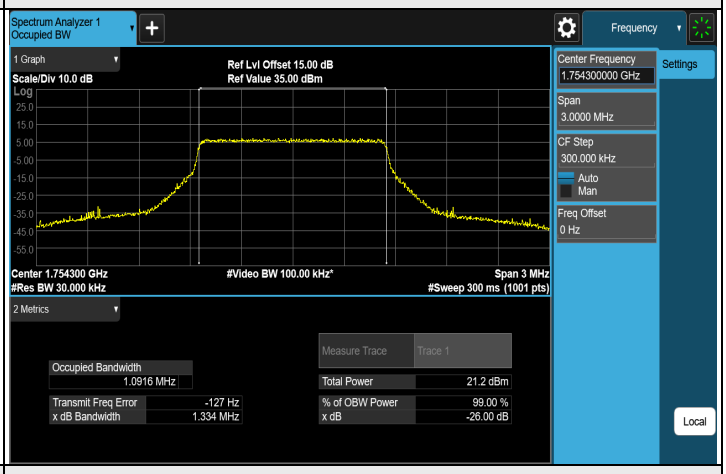
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	18700	1860	18.0091	19.074
QPSK	18900	1880	17.9768	19.057
QPSK	19100	1900	17.9474	19.051
16QAM	18700	1860	18.0044	19.066
16QAM	18900	1880	17.9798	19.058
16QAM	19100	1900	17.9596	19.046
64QAM	18700	1860	18.0008	19.041
64QAM	18900	1880	17.9651	19.039
64QAM	19100	1900	17.9516	19.055
256QAM	18700	1860	17.9993	19.042
256QAM	18900	1880	17.9796	19.056
256QAM	19100	1900	17.9449	19.030

Spectrum Plot of Worst Value	
Occupied bandwidth	26 dB Bandwidth
	
QPSK CH 18700 (1860 MHz)	QPSK CH 18700 (1860 MHz)

7.4.2 LTE Band 4

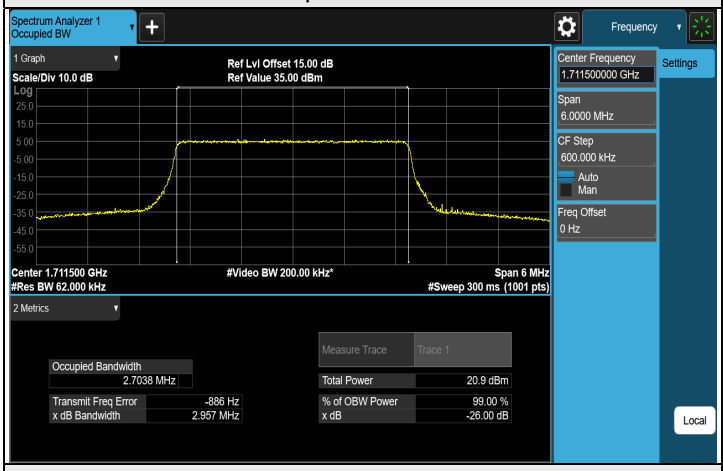
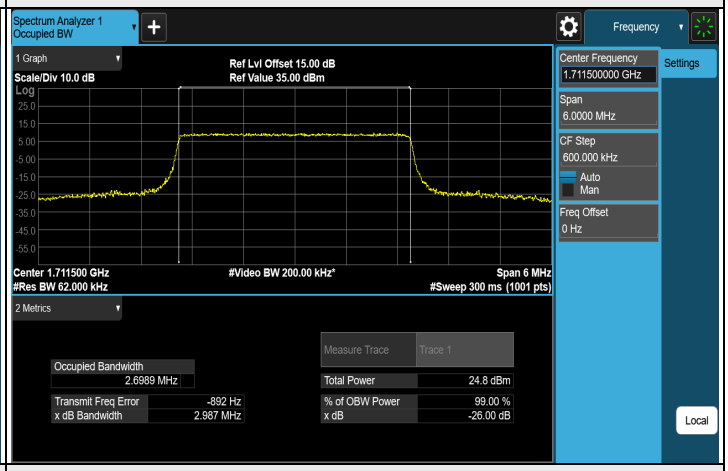
LTE Band 4 - Ant 0, Channel Bandwidth: 1.4 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	19957	1710.7	1.0929	1.320
QPSK	20175	1732.5	1.0913	1.321
QPSK	20393	1754.3	1.0898	1.312
16QAM	19957	1710.7	1.0948	1.324
16QAM	20175	1732.5	1.0935	1.301
16QAM	20393	1754.3	1.0947	1.320
64QAM	19957	1710.7	1.0912	1.304
64QAM	20175	1732.5	1.0935	1.293
64QAM	20393	1754.3	1.0903	1.298
256QAM	19957	1710.7	1.0901	1.306
256QAM	20175	1732.5	1.0909	1.280
256QAM	20393	1754.3	1.0916	1.334

Spectrum Plot of Worst Value	
Occupied bandwidth	26 dB Bandwidth
	
16QAM CH 19957 (1710.7 MHz)	256QAM CH 20393 (1754.3 MHz)

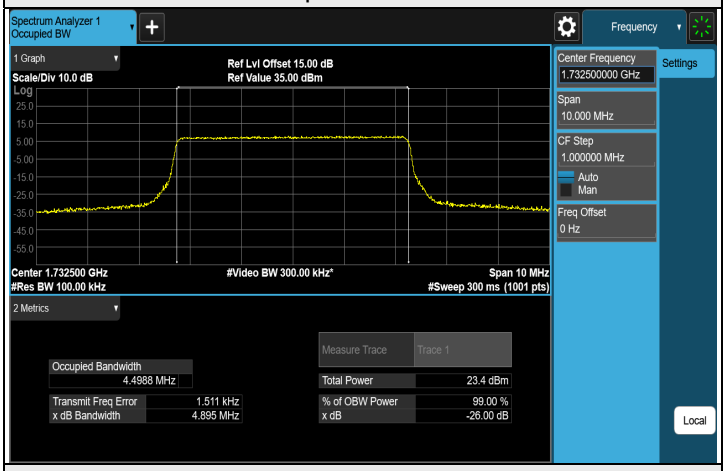
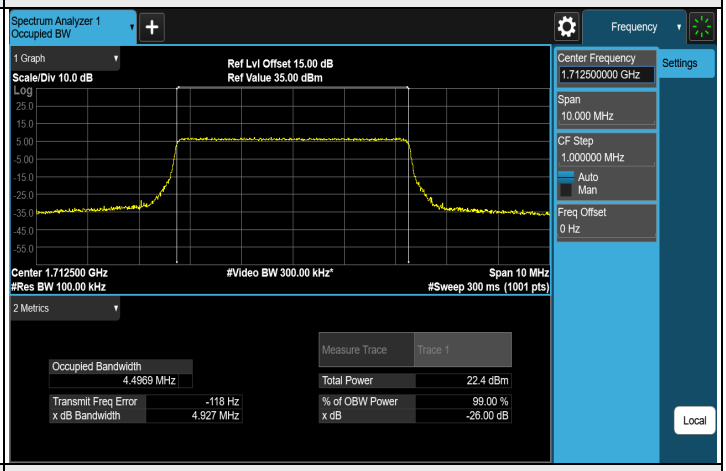
LTE Band 4 - Ant 0, Channel Bandwidth: 3 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	19965	1711.5	2.6989	2.987
QPSK	20175	1732.5	2.6992	2.936
QPSK	20385	1753.5	2.7021	2.958
16QAM	19965	1711.5	2.7031	2.956
16QAM	20175	1732.5	2.7032	2.946
16QAM	20385	1753.5	2.7012	2.956
64QAM	19965	1711.5	2.7015	2.951
64QAM	20175	1732.5	2.7011	2.961
64QAM	20385	1753.5	2.7004	2.961
256QAM	19965	1711.5	2.7038	2.957
256QAM	20175	1732.5	2.6999	2.959
256QAM	20385	1753.5	2.7027	2.949

Spectrum Plot of Worst Value	
Occupied bandwidth	26 dB Bandwidth
	
256QAM CH 19965 (1711.5 MHz)	QPSK CH 19965 (1711.5 MHz)

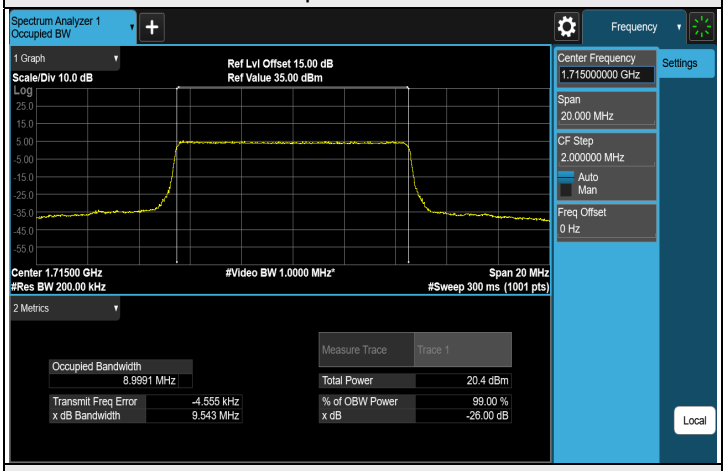
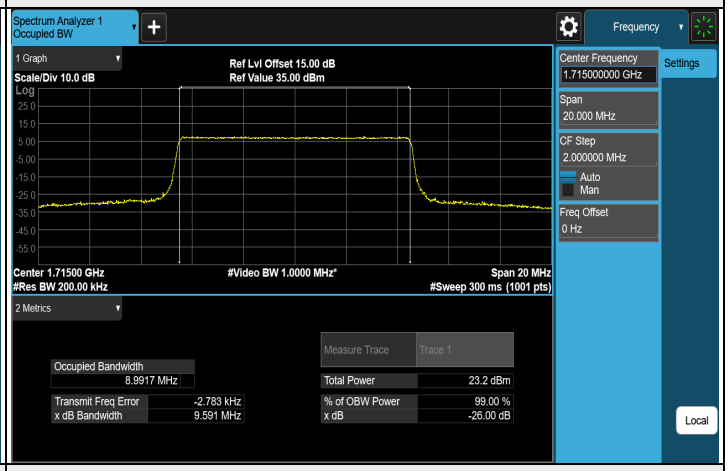
LTE Band 4 - Ant 0, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	19975	1712.5	4.4984	4.926
QPSK	20175	1732.5	4.4964	4.881
QPSK	20375	1752.5	4.4955	4.885
16QAM	19975	1712.5	4.4973	4.917
16QAM	20175	1732.5	4.4988	4.895
16QAM	20375	1752.5	4.4987	4.905
64QAM	19975	1712.5	4.4969	4.927
64QAM	20175	1732.5	4.4927	4.896
64QAM	20375	1752.5	4.4961	4.901
256QAM	19975	1712.5	4.4943	4.880
256QAM	20175	1732.5	4.4938	4.876
256QAM	20375	1752.5	4.4978	4.873

Spectrum Plot of Worst Value	
Occupied bandwidth	26 dB Bandwidth
	
16QAM CH 20175 (1732.5 MHz)	64QAM CH 19975 (1712.5 MHz)

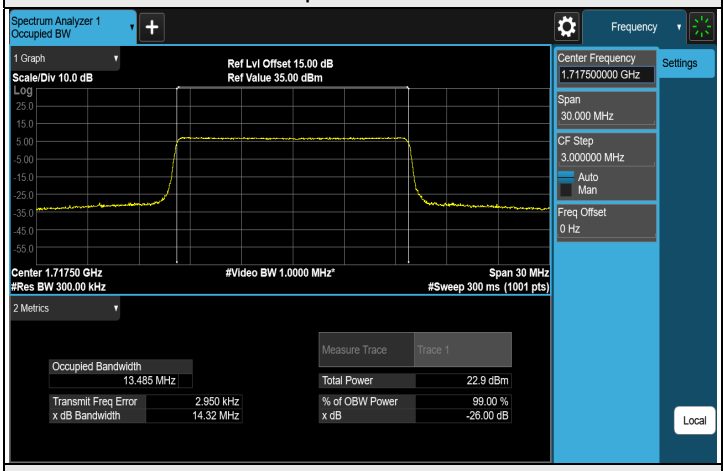
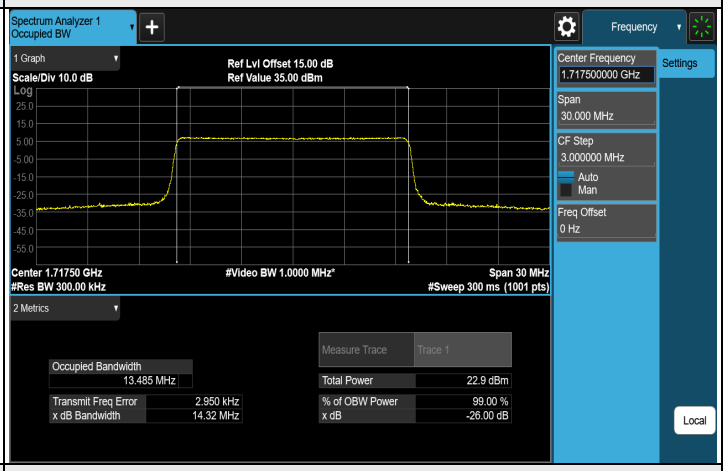
LTE Band 4 - Ant 0, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	20000	1715	8.9908	9.586
QPSK	20175	1732.5	8.9882	9.542
QPSK	20350	1750	8.9860	9.568
16QAM	20000	1715	8.9917	9.591
16QAM	20175	1732.5	8.9796	9.560
16QAM	20350	1750	8.9849	9.590
64QAM	20000	1715	8.9912	9.574
64QAM	20175	1732.5	8.9845	9.543
64QAM	20350	1750	8.9902	9.571
256QAM	20000	1715	8.9991	9.543
256QAM	20175	1732.5	8.9838	9.561
256QAM	20350	1750	8.9878	9.571

Spectrum Plot of Worst Value	
Occupied bandwidth	26 dB Bandwidth
	
256QAM CH 20000 (1715 MHz)	16QAM CH 20000 (1715 MHz)

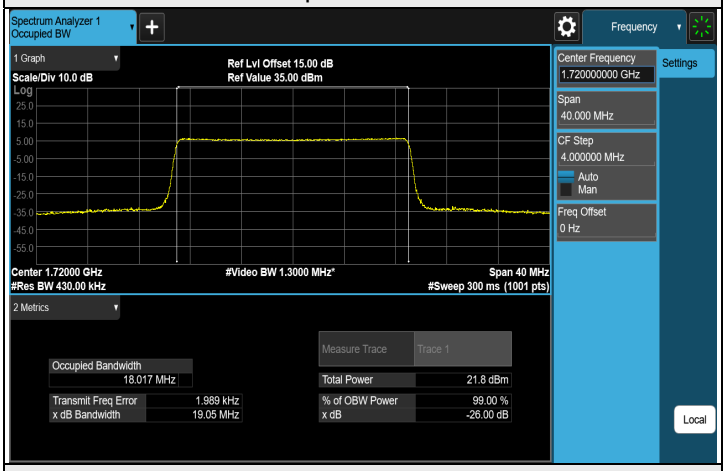
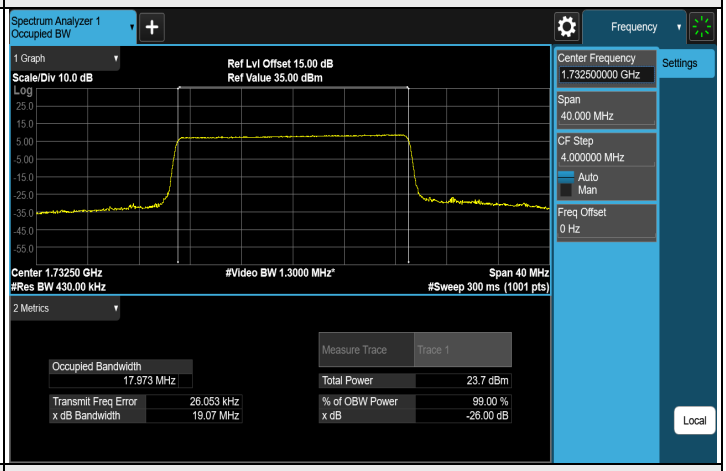
LTE Band 4 - Ant 0, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	20025	1717.5	13.4832	14.297
QPSK	20175	1732.5	13.4680	14.257
QPSK	20325	1747.5	13.4583	14.239
16QAM	20025	1717.5	13.4853	14.320
16QAM	20175	1732.5	13.4685	14.267
16QAM	20325	1747.5	13.4708	14.302
64QAM	20025	1717.5	13.4757	14.284
64QAM	20175	1732.5	13.4654	14.271
64QAM	20325	1747.5	13.4690	14.265
256QAM	20025	1717.5	13.4806	14.284
256QAM	20175	1732.5	13.4653	14.273
256QAM	20325	1747.5	13.4626	14.285

Spectrum Plot of Worst Value	
Occupied bandwidth	26 dB Bandwidth
	
16QAM CH 20025 (1717.5 MHz)	16QAM CH 20025 (1717.5 MHz)

LTE Band 4 - Ant 0, Channel Bandwidth: 20 MHz

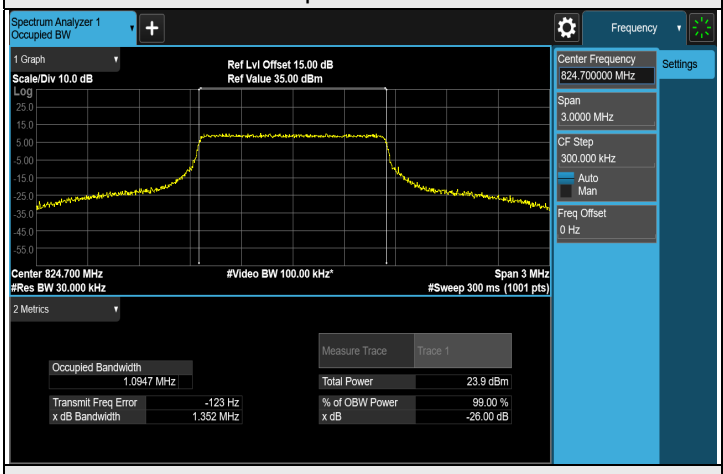
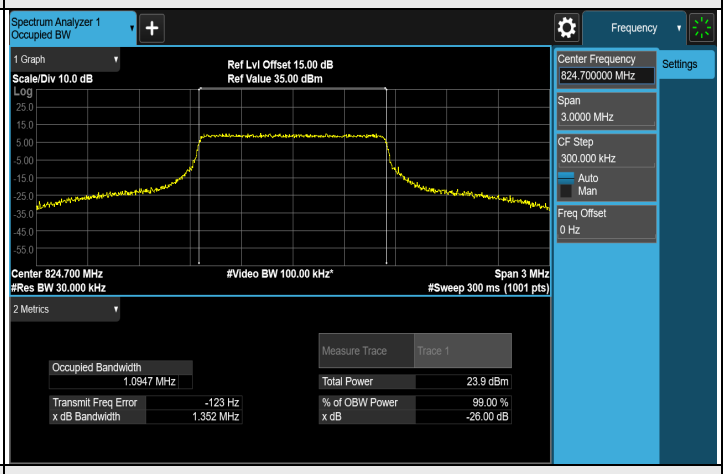
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	20050	1720	17.9997	19.052
QPSK	20175	1732.5	17.9731	19.071
QPSK	20300	1745	17.9560	19.064
16QAM	20050	1720	18.0104	19.049
16QAM	20175	1732.5	17.9736	19.044
16QAM	20300	1745	17.9603	19.053
64QAM	20050	1720	18.0170	19.050
64QAM	20175	1732.5	17.9784	19.030
64QAM	20300	1745	17.9634	19.028
256QAM	20050	1720	18.0001	19.047
256QAM	20175	1732.5	17.9672	19.033
256QAM	20300	1745	17.9518	19.034

Spectrum Plot of Worst Value	
Occupied bandwidth	26 dB Bandwidth
	
64QAM CH 20050 (1720 MHz)	QPSK CH 20175 (1732.5 MHz)

7.4.3 LTE Band 5

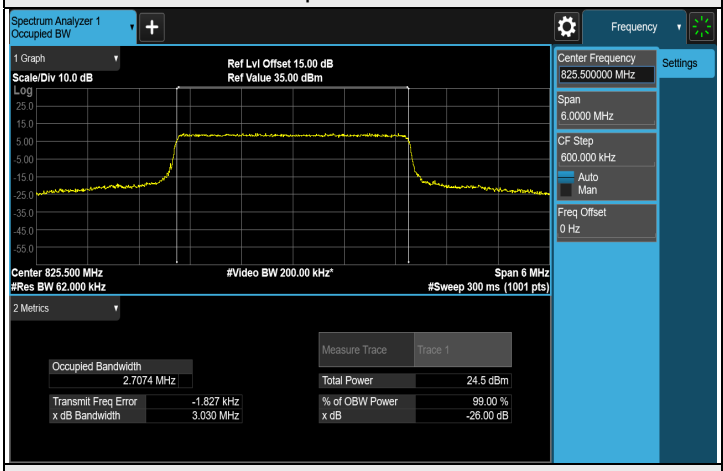
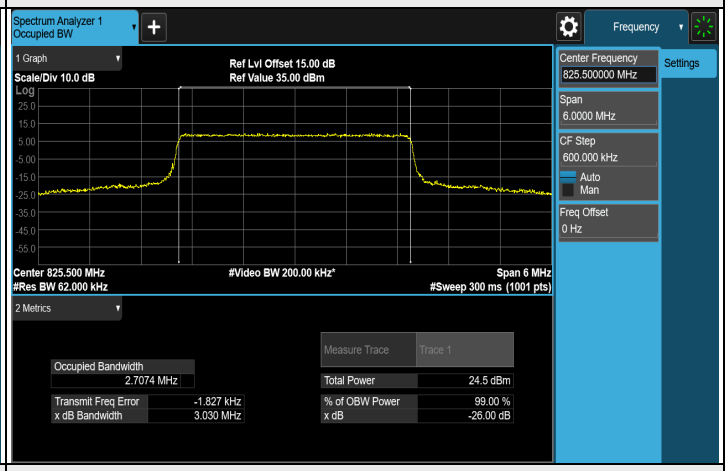
LTE Band 5 - Ant 0, Channel Bandwidth: 1.4 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	20407	824.7	1.0923	1.348
QPSK	20525	836.5	1.0916	1.301
QPSK	20643	848.3	1.0897	1.294
16QAM	20407	824.7	1.0947	1.352
16QAM	20525	836.5	1.0916	1.308
16QAM	20643	848.3	1.0924	1.335
64QAM	20407	824.7	1.0924	1.314
64QAM	20525	836.5	1.0904	1.299
64QAM	20643	848.3	1.0927	1.328
256QAM	20407	824.7	1.0900	1.306
256QAM	20525	836.5	1.0896	1.306
256QAM	20643	848.3	1.0917	1.301

Spectrum Plot of Worst Value	
Occupied bandwidth	26 dB Bandwidth
	
16QAM CH 20407 (824.7 MHz)	16QAM CH 20407 (824.7 MHz)

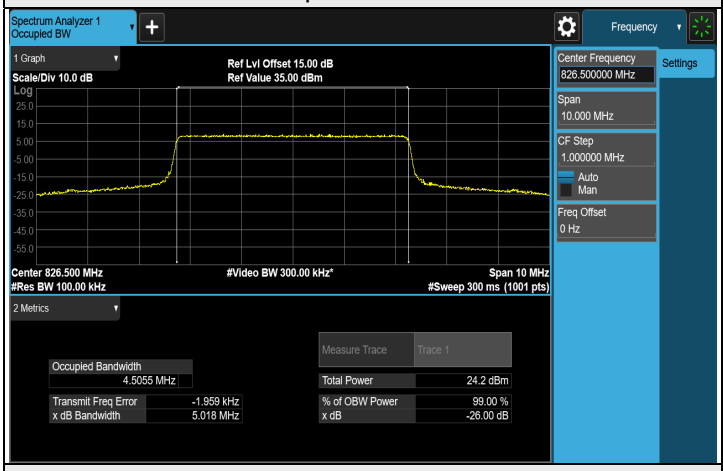
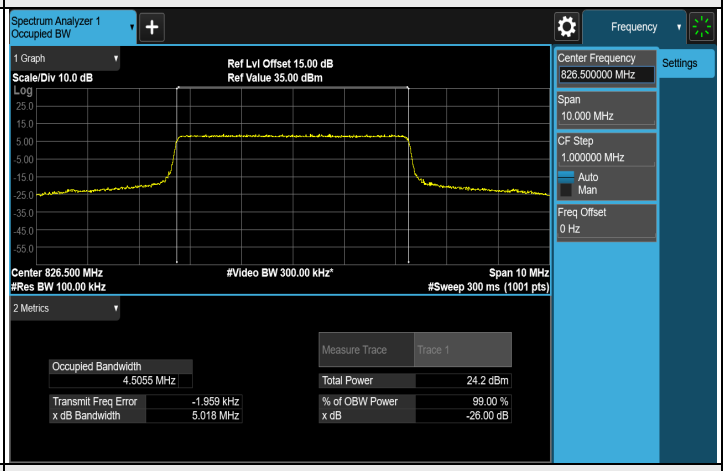
LTE Band 5 - Ant 0, Channel Bandwidth: 3 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	20415	825.5	2.7074	3.030
QPSK	20525	836.5	2.7008	2.969
QPSK	20635	847.5	2.7011	2.970
16QAM	20415	825.5	2.7030	2.985
16QAM	20525	836.5	2.7035	2.974
16QAM	20635	847.5	2.7012	2.973
64QAM	20415	825.5	2.7010	2.980
64QAM	20525	836.5	2.7016	2.942
64QAM	20635	847.5	2.7021	2.955
256QAM	20415	825.5	2.7005	2.949
256QAM	20525	836.5	2.7031	2.946
256QAM	20635	847.5	2.6997	2.944

Spectrum Plot of Worst Value	
Occupied bandwidth	26 dB Bandwidth
	
QPSK CH 20415 (825.5 MHz)	QPSK CH 20415 (825.5 MHz)

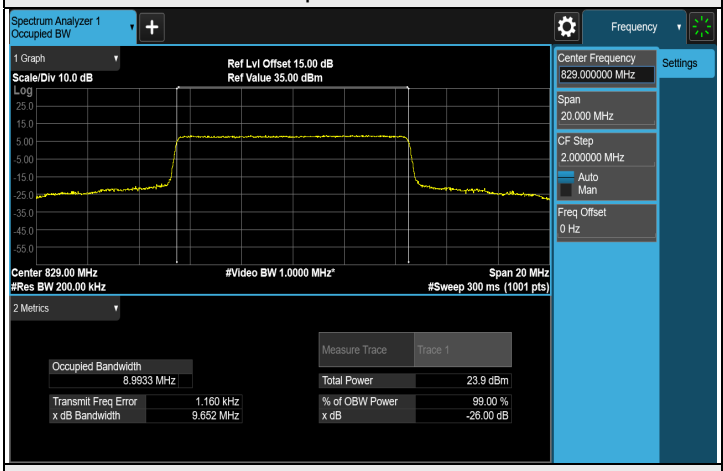
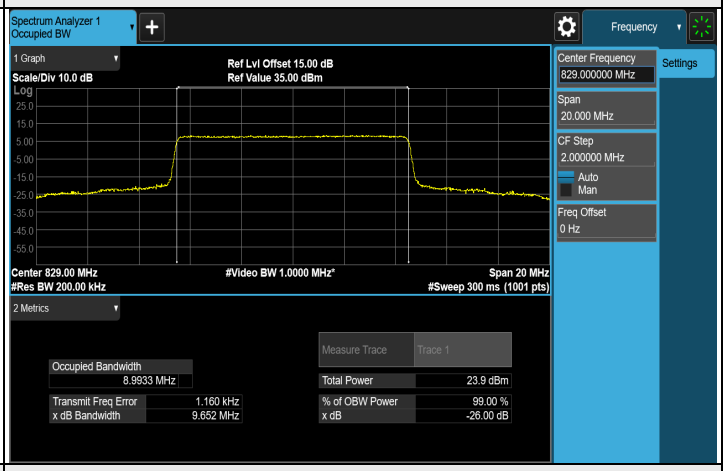
LTE Band 5 - Ant 0, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	20425	826.5	4.5055	5.018
QPSK	20525	836.5	4.4961	4.874
QPSK	20625	846.5	4.4985	4.920
16QAM	20425	826.5	4.5020	4.913
16QAM	20525	836.5	4.4959	4.873
16QAM	20625	846.5	4.4999	4.892
64QAM	20425	826.5	4.4994	4.910
64QAM	20525	836.5	4.4943	4.893
64QAM	20625	846.5	4.4949	4.870
256QAM	20425	826.5	4.4997	4.874
256QAM	20525	836.5	4.4959	4.877
256QAM	20625	846.5	4.4912	4.889

Spectrum Plot of Worst Value	
Occupied bandwidth	26 dB Bandwidth
	
QPSK CH 20425 (826.5 MHz)	QPSK CH 20425 (826.5 MHz)

LTE Band 5 - Ant 0, Channel Bandwidth: 10 MHz

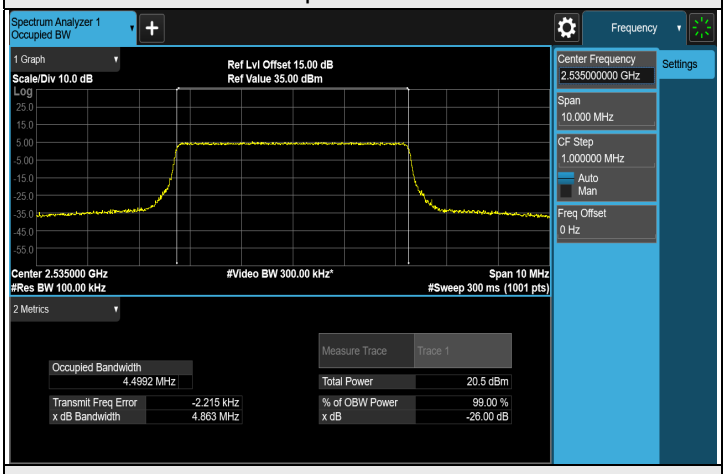
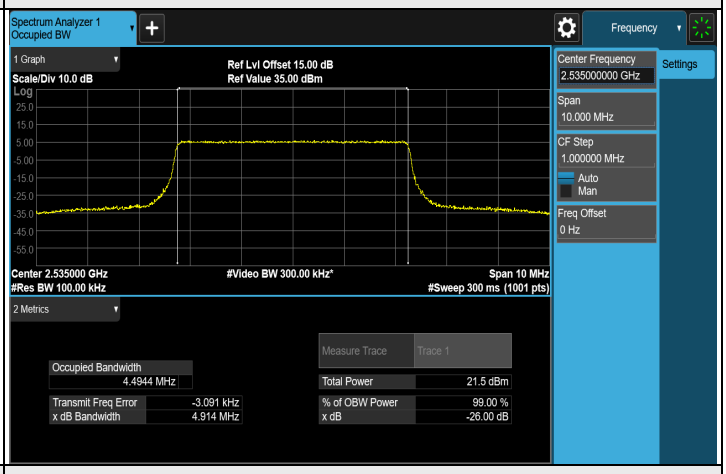
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	20450	829	8.9933	9.652
QPSK	20525	836.5	8.9796	9.556
QPSK	20600	844	8.9915	9.637
16QAM	20450	829	8.9799	9.574
16QAM	20525	836.5	8.9752	9.574
16QAM	20600	844	8.9881	9.597
64QAM	20450	829	8.9773	9.578
64QAM	20525	836.5	8.9764	9.562
64QAM	20600	844	8.9863	9.537
256QAM	20450	829	8.9834	9.544
256QAM	20525	836.5	8.9716	9.564
256QAM	20600	844	8.9764	9.538

Spectrum Plot of Worst Value	
Occupied bandwidth	26 dB Bandwidth
	
QPSK CH 20450 (829 MHz)	QPSK CH 20450 (829 MHz)

7.4.4 LTE Band 7

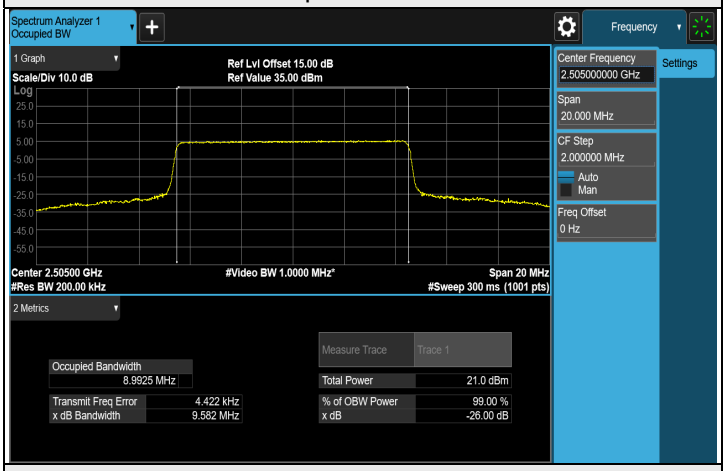
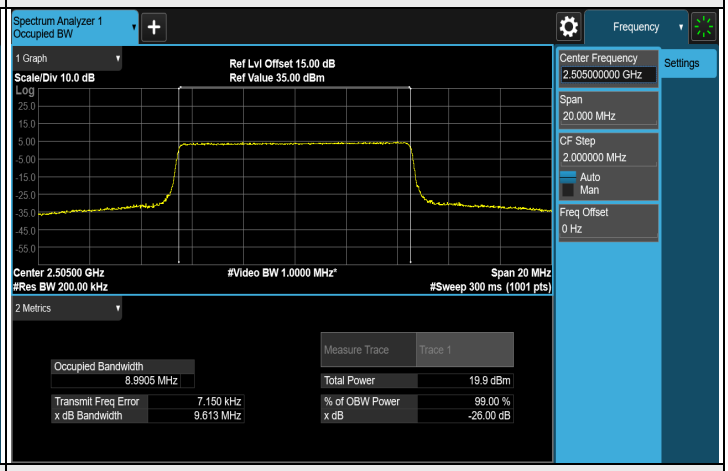
LTE Band 7 - Ant 6, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	20775	2502.5	4.4932	4.853
QPSK	21100	2535	4.4944	4.914
QPSK	21425	2567.5	4.4969	4.876
16QAM	20775	2502.5	4.4976	4.880
16QAM	21100	2535	4.4992	4.863
16QAM	21425	2567.5	4.4934	4.874
64QAM	20775	2502.5	4.4976	4.864
64QAM	21100	2535	4.4954	4.878
64QAM	21425	2567.5	4.4935	4.888
256QAM	20775	2502.5	4.4981	4.838
256QAM	21100	2535	4.4978	4.876
256QAM	21425	2567.5	4.4941	4.845

Spectrum Plot of Worst Value	
Occupied bandwidth	26 dB Bandwidth
	
16QAM CH 21100 (2535 MHz)	QPSK CH 21100 (2535 MHz)

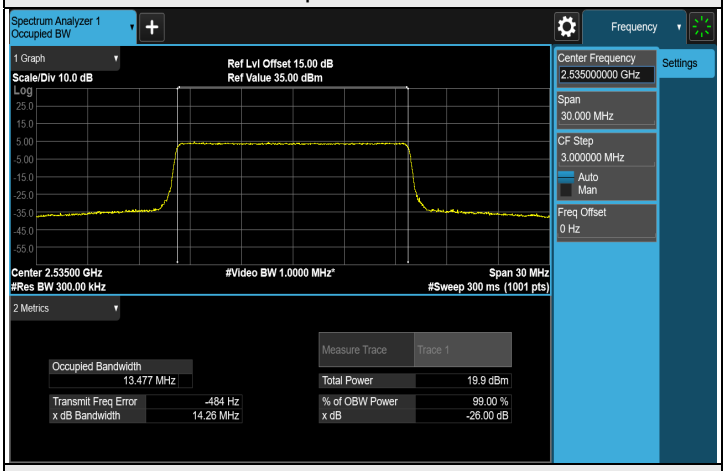
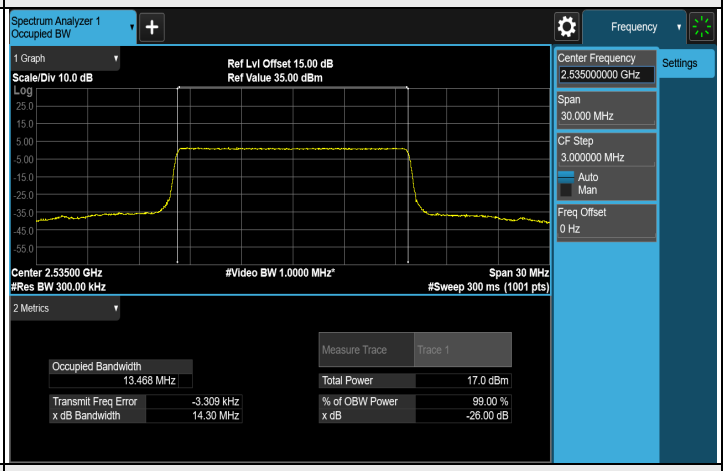
LTE Band 7 - Ant 6, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	20800	2505	8.9925	9.582
QPSK	21100	2535	8.9858	9.555
QPSK	21400	2565	8.9884	9.591
16QAM	20800	2505	8.9905	9.613
16QAM	21100	2535	8.9846	9.551
16QAM	21400	2565	8.9767	9.545
64QAM	20800	2505	8.9799	9.552
64QAM	21100	2535	8.9833	9.553
64QAM	21400	2565	8.9826	9.560
256QAM	20800	2505	8.9880	9.536
256QAM	21100	2535	8.9844	9.560
256QAM	21400	2565	8.9783	9.582

Spectrum Plot of Worst Value	
Occupied bandwidth	26 dB Bandwidth
	
QPSK CH 20800 (2505 MHz)	16QAM CH 20800 (2505 MHz)

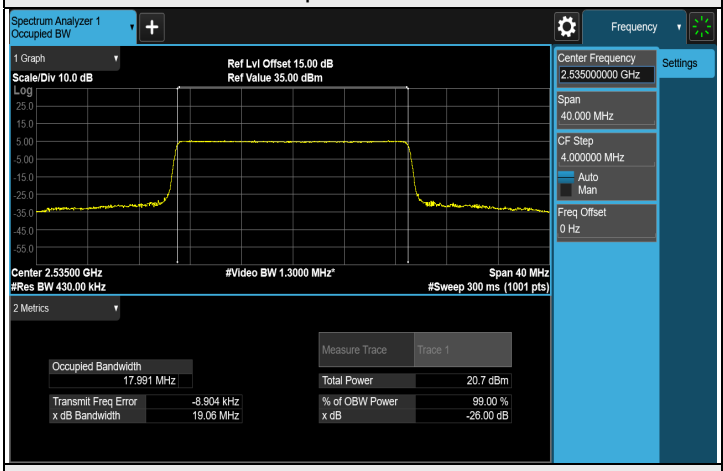
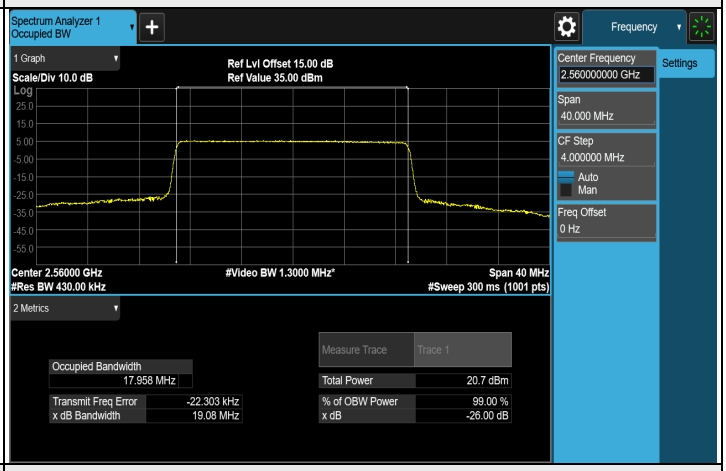
LTE Band 7 - Ant 6, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	20825	2507.5	13.4675	14.265
QPSK	21100	2535	13.4742	14.294
QPSK	21375	2562.5	13.4610	14.273
16QAM	20825	2507.5	13.4710	14.277
16QAM	21100	2535	13.4772	14.264
16QAM	21375	2562.5	13.4563	14.258
64QAM	20825	2507.5	13.4619	14.257
64QAM	21100	2535	13.4689	14.282
64QAM	21375	2562.5	13.4542	14.270
256QAM	20825	2507.5	13.4675	14.249
256QAM	21100	2535	13.4678	14.298
256QAM	21375	2562.5	13.4614	14.260

Spectrum Plot of Worst Value	
Occupied bandwidth	26 dB Bandwidth
	
16QAM CH 21100 (2535 MHz)	256QAM CH 21100 (2535 MHz)

LTE Band 7 - Ant 6, Channel Bandwidth: 20 MHz

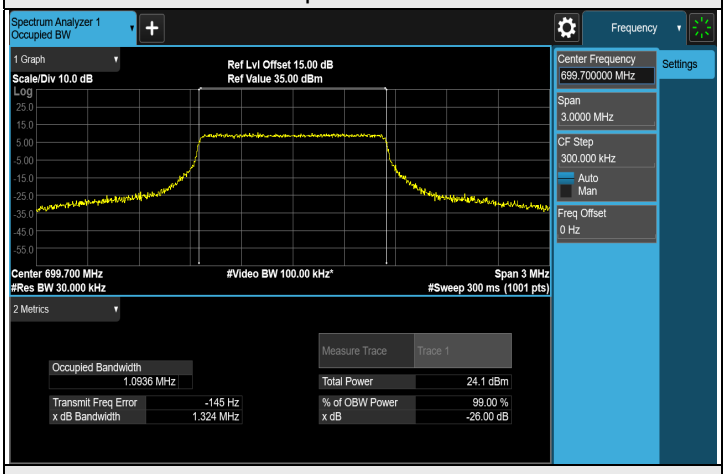
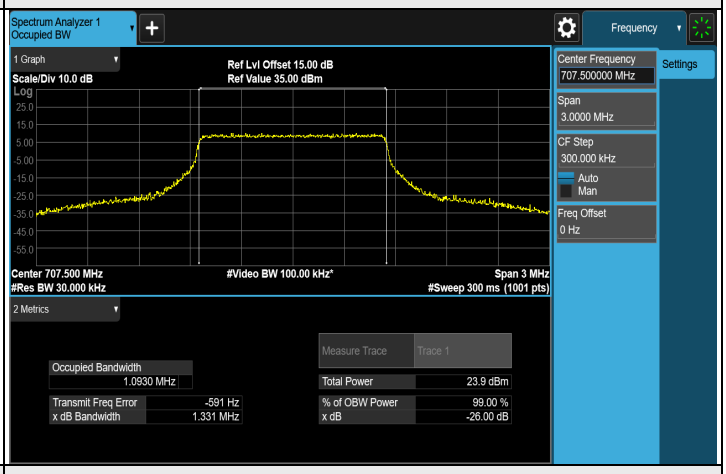
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	20850	2510	17.9908	19.071
QPSK	21100	2535	17.9910	19.058
QPSK	21350	2560	17.9576	19.081
16QAM	20850	2510	17.9701	19.067
16QAM	21100	2535	17.9891	19.072
16QAM	21350	2560	17.9624	19.058
64QAM	20850	2510	17.9798	19.048
64QAM	21100	2535	17.9790	19.066
64QAM	21350	2560	17.9576	19.042
256QAM	20850	2510	17.9801	19.047
256QAM	21100	2535	17.9908	19.071
256QAM	21350	2560	17.9584	19.077

Spectrum Plot of Worst Value	
Occupied bandwidth	26 dB Bandwidth
	
QPSK CH 21100 (2535 MHz)	QPSK CH 21350 (2560 MHz)

7.4.5 LTE Band 12

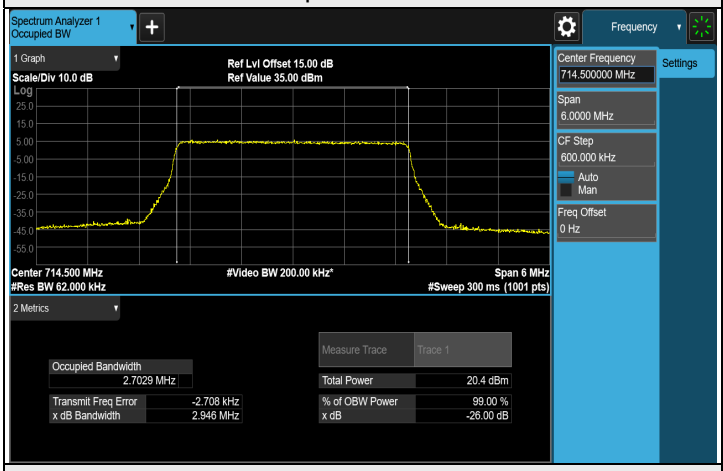
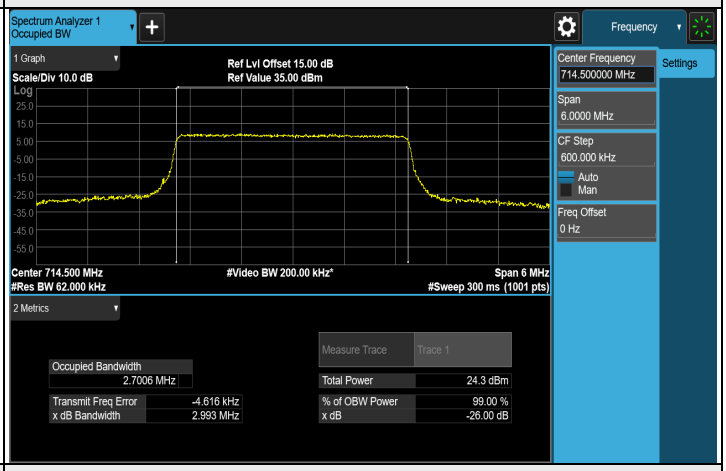
LTE Band 12 - Ant 0, Channel Bandwidth: 1.4 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	23017	699.7	1.0919	1.302
QPSK	23095	707.5	1.0918	1.293
QPSK	23173	715.3	1.0913	1.319
16QAM	23017	699.7	1.0936	1.324
16QAM	23095	707.5	1.0930	1.331
16QAM	23173	715.3	1.0924	1.324
64QAM	23017	699.7	1.0888	1.314
64QAM	23095	707.5	1.0905	1.318
64QAM	23173	715.3	1.0900	1.311
256QAM	23017	699.7	1.0903	1.305
256QAM	23095	707.5	1.0908	1.289
256QAM	23173	715.3	1.0922	1.299

Spectrum Plot of Worst Value	
Occupied bandwidth	26 dB Bandwidth
	
16QAM CH 23017 (699.7 MHz)	16QAM CH 23095 (707.5 MHz)

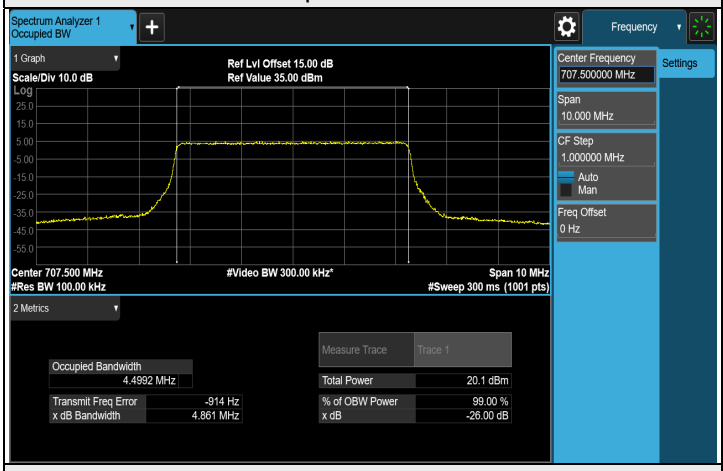
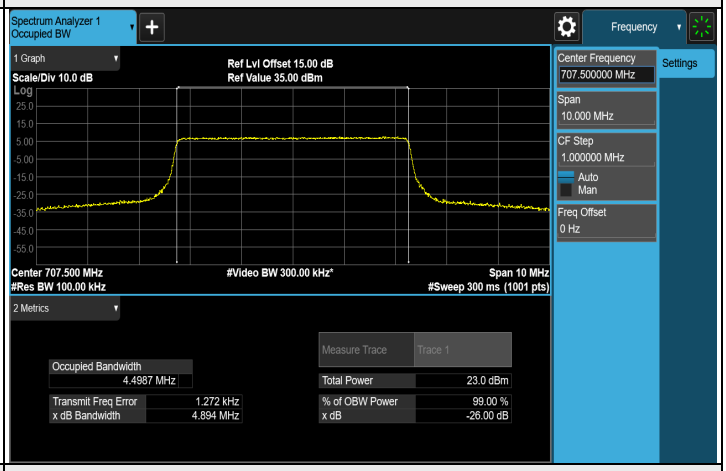
LTE Band 12 - Ant 0, Channel Bandwidth: 3 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	23025	700.5	2.7023	2.962
QPSK	23095	707.5	2.7018	2.992
QPSK	23165	714.5	2.7006	2.993
16QAM	23025	700.5	2.6999	2.954
16QAM	23095	707.5	2.7025	2.963
16QAM	23165	714.5	2.6992	2.956
64QAM	23025	700.5	2.6977	2.963
64QAM	23095	707.5	2.7019	2.968
64QAM	23165	714.5	2.7016	2.936
256QAM	23025	700.5	2.7001	2.969
256QAM	23095	707.5	2.7012	2.974
256QAM	23165	714.5	2.7029	2.946

Spectrum Plot of Worst Value	
Occupied bandwidth	26 dB Bandwidth
	
256QAM CH 23165 (714.5 MHz)	QPSK CH 23165 (714.5 MHz)

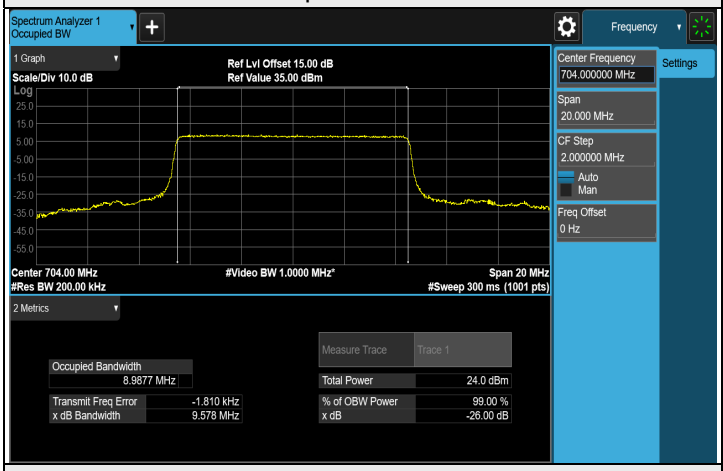
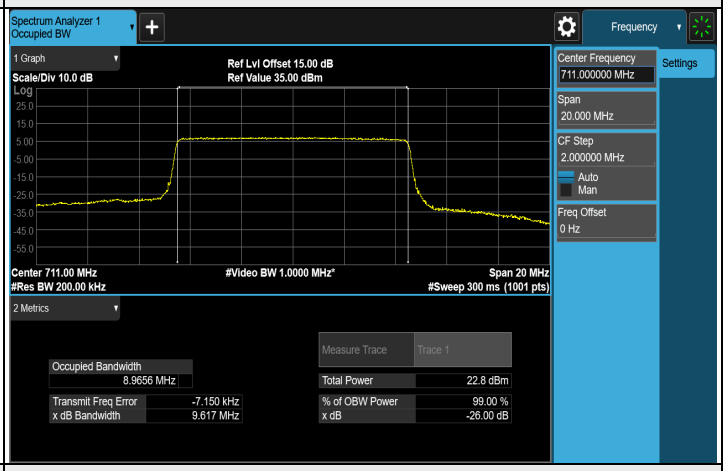
LTE Band 12 - Ant 0, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	23035	701.5	4.4943	4.879
QPSK	23095	707.5	4.4975	4.889
QPSK	23155	713.5	4.4984	4.880
16QAM	23035	701.5	4.4973	4.850
16QAM	23095	707.5	4.4987	4.894
16QAM	23155	713.5	4.4972	4.874
64QAM	23035	701.5	4.4940	4.876
64QAM	23095	707.5	4.4987	4.881
64QAM	23155	713.5	4.4937	4.871
256QAM	23035	701.5	4.4903	4.858
256QAM	23095	707.5	4.4992	4.861
256QAM	23155	713.5	4.4886	4.857

Spectrum Plot of Worst Value	
Occupied bandwidth	26 dB Bandwidth
	
256QAM CH 23095 (707.5 MHz)	16QAM CH 23095 (707.5 MHz)

LTE Band 12 - Ant 0, Channel Bandwidth: 10 MHz

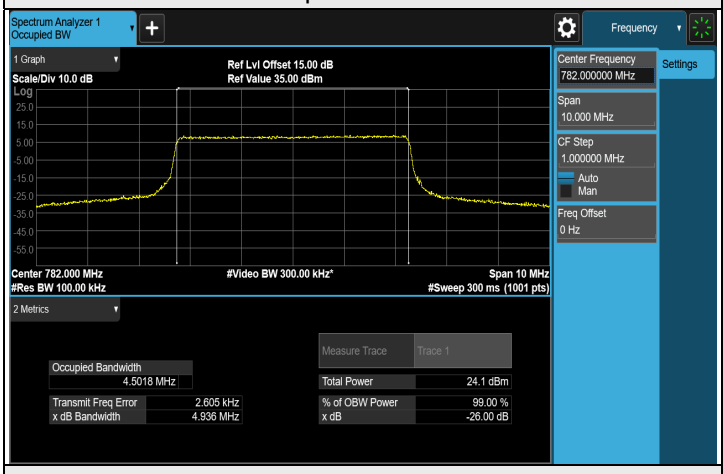
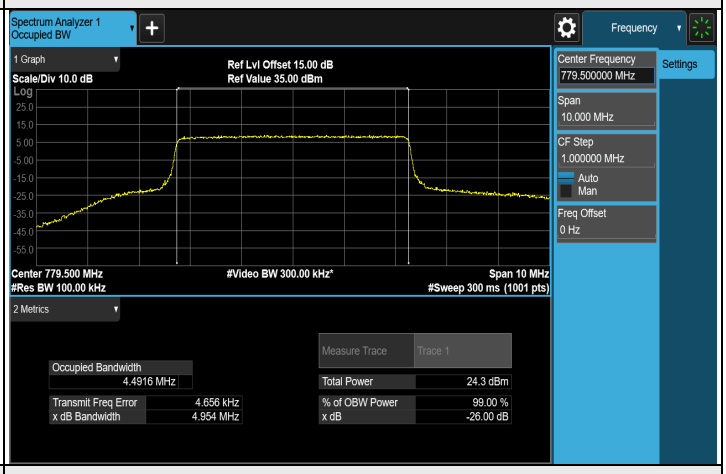
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	23060	704	8.9877	9.578
QPSK	23095	707.5	8.9806	9.560
QPSK	23130	711	8.9640	9.547
16QAM	23060	704	8.9755	9.557
16QAM	23095	707.5	8.9839	9.559
16QAM	23130	711	8.9656	9.617
64QAM	23060	704	8.9723	9.538
64QAM	23095	707.5	8.9810	9.564
64QAM	23130	711	8.9604	9.535
256QAM	23060	704	8.9769	9.554
256QAM	23095	707.5	8.9813	9.538
256QAM	23130	711	8.9654	9.535

Spectrum Plot of Worst Value	
Occupied bandwidth	26 dB Bandwidth
	
QPSK CH 23060 (704 MHz)	16QAM CH 23130 (711 MHz)

7.4.6 LTE Band 13

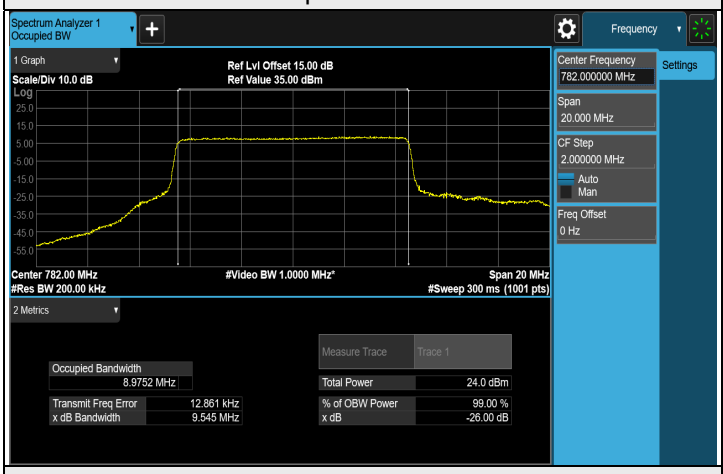
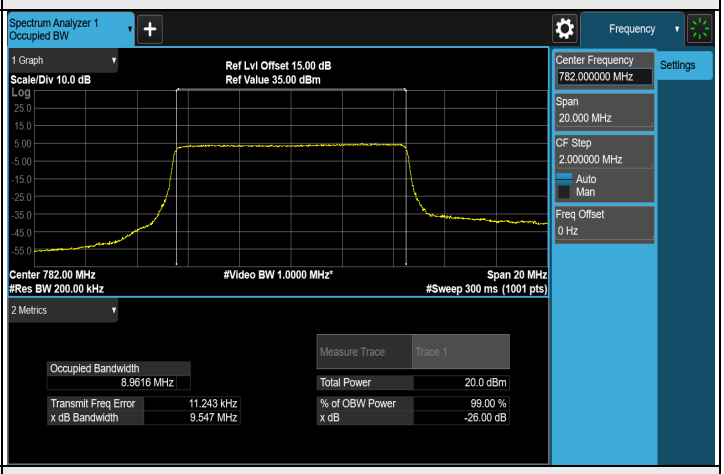
LTE Band 13 - Ant 0, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	23205	779.5	4.4916	4.954
QPSK	23230	782	4.5018	4.936
QPSK	23255	784.5	4.4952	4.884
16QAM	23205	779.5	4.4960	4.886
16QAM	23230	782	4.4984	4.878
16QAM	23255	784.5	4.4921	4.875
64QAM	23205	779.5	4.4922	4.850
64QAM	23230	782	4.5009	4.873
64QAM	23255	784.5	4.4904	4.836
256QAM	23205	779.5	4.4890	4.859
256QAM	23230	782	4.5010	4.896
256QAM	23255	784.5	4.4922	4.886

Spectrum Plot of Worst Value	
Occupied bandwidth	26 dB Bandwidth
	
QPSK CH 23230 (782 MHz)	QPSK CH 23205 (779.5 MHz)

LTE Band 13 - Ant 0, Channel Bandwidth: 10 MHz

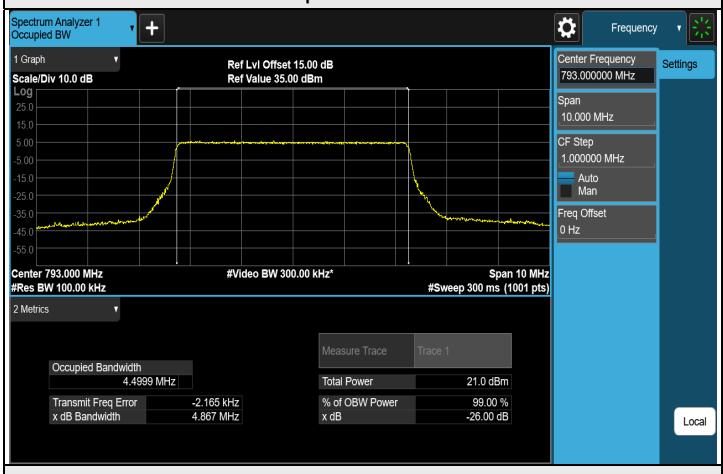
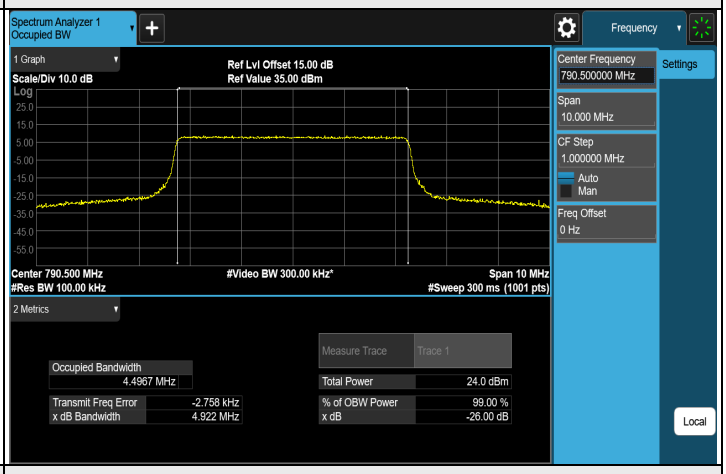
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	23230	782	8.9752	9.545
16QAM	23230	782	8.9740	9.532
64QAM	23230	782	8.9674	9.508
256QAM	23230	782	8.9616	9.547

Spectrum Plot of Worst Value	
Occupied bandwidth	26 dB Bandwidth
	
QPSK CH 23230 (782 MHz)	256QAM CH 23230 (782 MHz)

7.4.7 LTE Band 14

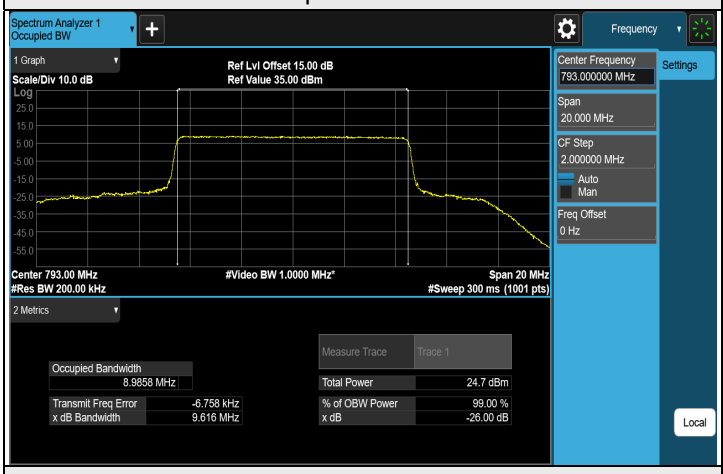
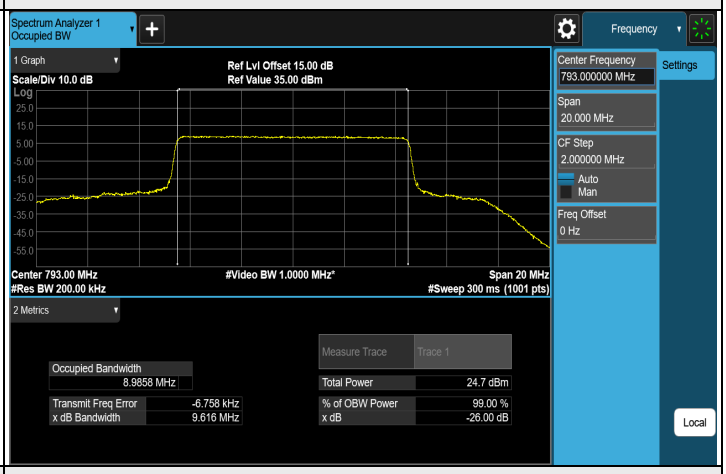
LTE Band 14 - Ant 0, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	23305	790.5	4.4967	4.896
QPSK	23330	793	4.4998	4.908
QPSK	23355	795.5	4.4954	4.912
16QAM	23305	790.5	4.4967	4.922
16QAM	23330	793	4.4960	4.896
16QAM	23355	795.5	4.4939	4.913
64QAM	23305	790.5	4.4951	4.910
64QAM	23330	793	4.4972	4.887
64QAM	23355	795.5	4.4963	4.888
256QAM	23305	790.5	4.4928	4.890
256QAM	23330	793	4.4999	4.867
256QAM	23355	795.5	4.4958	4.882

Spectrum Plot of Worst Value	
Occupied bandwidth	26 dB Bandwidth
	
256QAM CH 23330 (793 MHz)	16QAM CH 23305 (790.5 MHz)

LTE Band 14 - Ant 0, Channel Bandwidth: 10 MHz

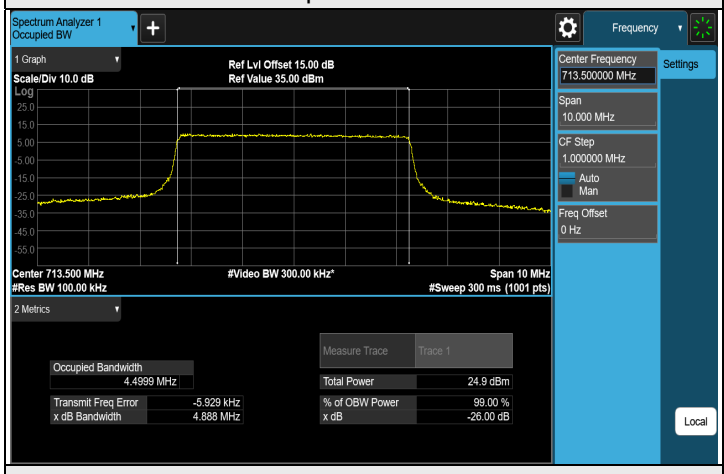
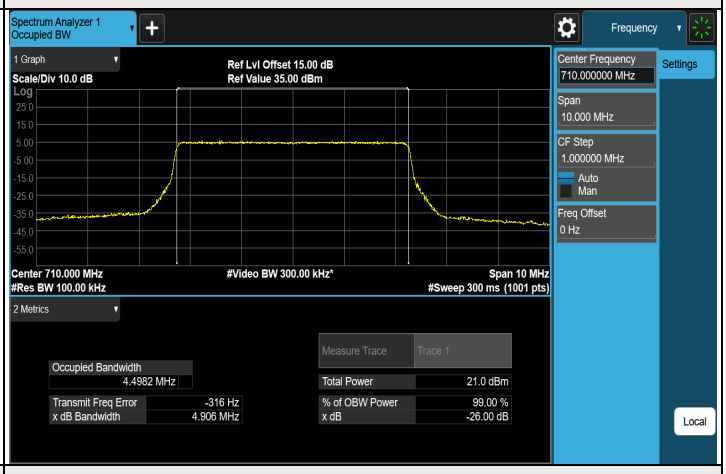
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	23330	793	8.9858	9.616
16QAM	23330	793	8.9842	9.546
64QAM	23330	793	8.9790	9.549
256QAM	23330	793	8.9759	9.526

Spectrum Plot of Worst Value	
Occupied bandwidth	26 dB Bandwidth
	
QPSK CH 23330 (793 MHz)	QPSK CH 23330 (793 MHz)

7.4.8 LTE Band 17

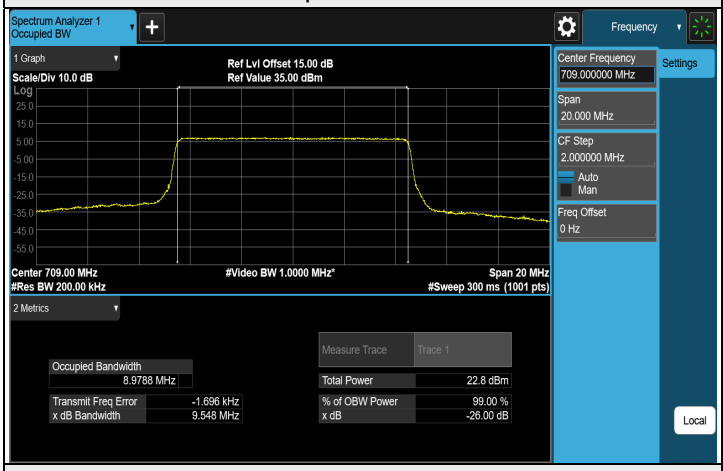
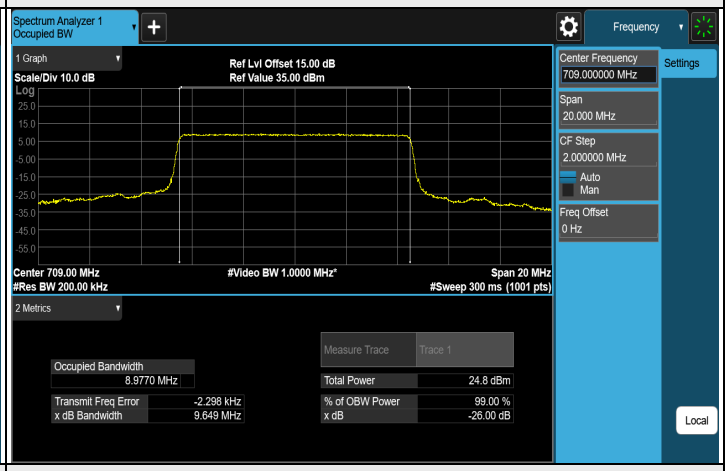
LTE Band 17 - Ant 0, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	23755	706.5	4.4981	4.894
QPSK	23790	710	4.4969	4.886
QPSK	23825	713.5	4.4999	4.888
16QAM	23755	706.5	4.4983	4.884
16QAM	23790	710	4.4961	4.890
16QAM	23825	713.5	4.4984	4.881
64QAM	23755	706.5	4.4986	4.880
64QAM	23790	710	4.4947	4.860
64QAM	23825	713.5	4.4950	4.890
256QAM	23755	706.5	4.4994	4.869
256QAM	23790	710	4.4982	4.906
256QAM	23825	713.5	4.4932	4.858

Spectrum Plot of Worst Value	
Occupied bandwidth	26 dB Bandwidth
	
QPSK CH 23825 (713.5 MHz)	256QAM CH 23790 (710 MHz)

LTE Band 17 - Ant 0, Channel Bandwidth: 10 MHz

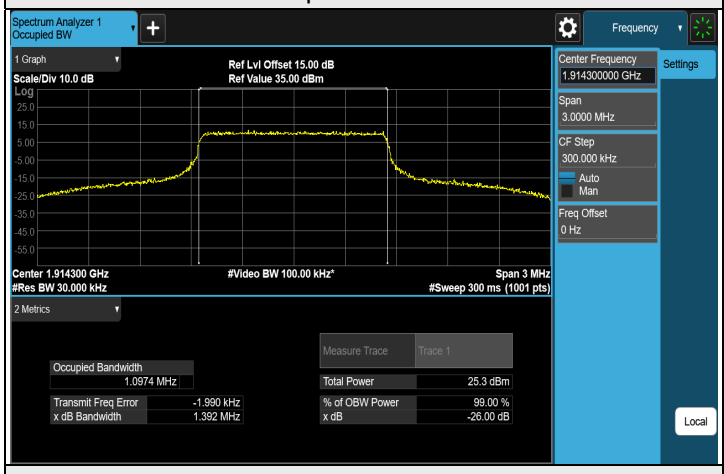
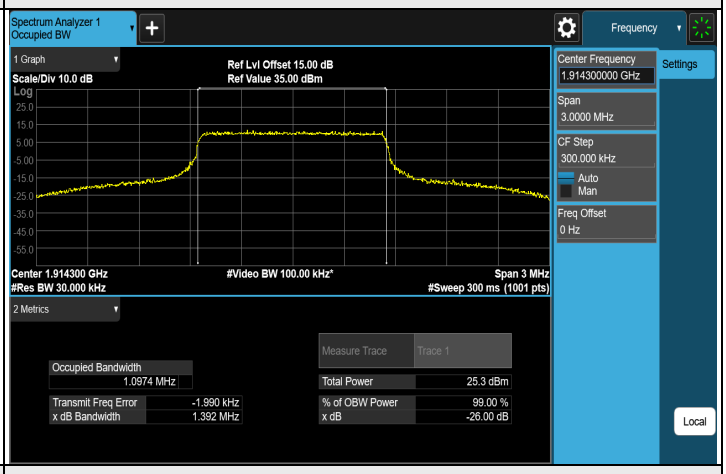
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	23780	709	8.9770	9.649
QPSK	23790	710	8.9775	9.579
QPSK	23800	711	8.9756	9.555
16QAM	23780	709	8.9768	9.554
16QAM	23790	710	8.9774	9.546
16QAM	23800	711	8.9787	9.559
64QAM	23780	709	8.9788	9.548
64QAM	23790	710	8.9739	9.568
64QAM	23800	711	8.9708	9.562
256QAM	23780	709	8.9696	9.548
256QAM	23790	710	8.9707	9.521
256QAM	23800	711	8.9643	9.548

Spectrum Plot of Worst Value	
Occupied bandwidth	26 dB Bandwidth
	
64QAM CH 23780 (709 MHz)	QPSK CH 23780 (709 MHz)

7.4.9 LTE Band 25

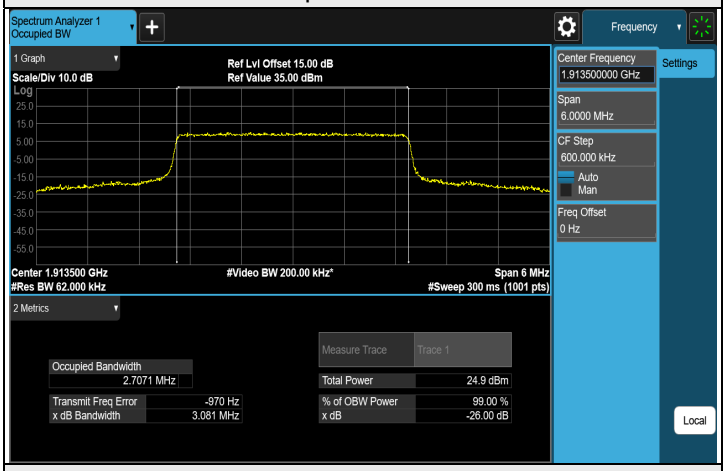
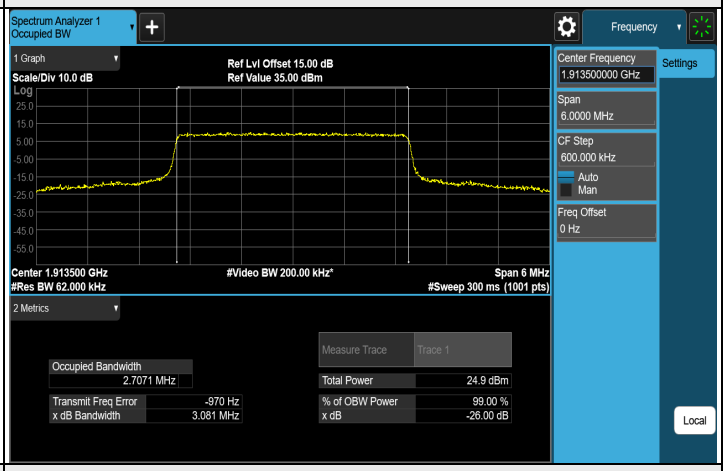
LTE Band 25 - Ant 7, Channel Bandwidth: 1.4 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	26047	1850.7	1.0898	1.304
QPSK	26365	1882.5	1.0915	1.301
QPSK	26683	1914.3	1.0974	1.392
16QAM	26047	1850.7	1.0938	1.319
16QAM	26365	1882.5	1.0919	1.312
16QAM	26683	1914.3	1.0924	1.381
64QAM	26047	1850.7	1.0907	1.263
64QAM	26365	1882.5	1.0883	1.285
64QAM	26683	1914.3	1.0924	1.319
256QAM	26047	1850.7	1.0919	1.307
256QAM	26365	1882.5	1.0892	1.296
256QAM	26683	1914.3	1.0912	1.292

Spectrum Plot of Worst Value	
Occupied bandwidth	26 dB Bandwidth
	
QPSK CH 26683 (1914.3 MHz)	QPSK CH 26683 (1914.3 MHz)

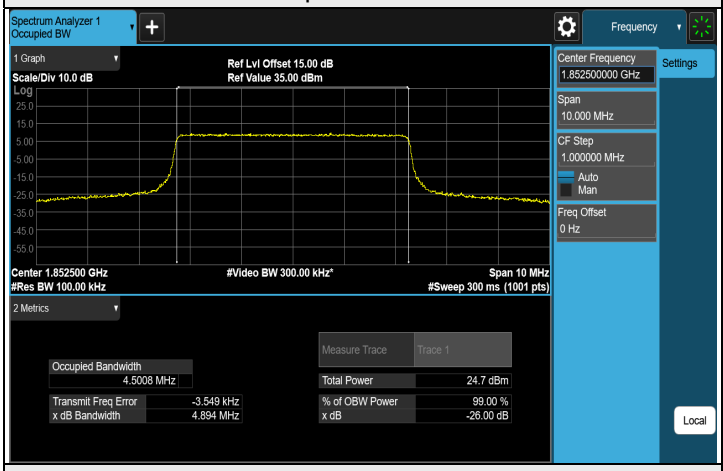
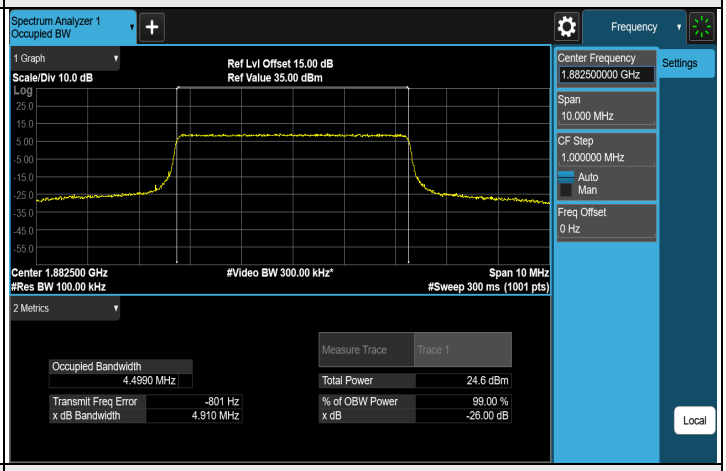
LTE Band 25 - Ant 7, Channel Bandwidth: 3 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	26055	1851.5	2.7033	2.953
QPSK	26365	1882.5	2.7037	2.967
QPSK	26675	1913.5	2.7071	3.081
16QAM	26055	1851.5	2.7010	2.955
16QAM	26365	1882.5	2.7020	2.972
16QAM	26675	1913.5	2.7067	2.988
64QAM	26055	1851.5	2.7014	2.943
64QAM	26365	1882.5	2.7017	2.959
64QAM	26675	1913.5	2.7000	2.984
256QAM	26055	1851.5	2.7010	2.945
256QAM	26365	1882.5	2.6980	2.952
256QAM	26675	1913.5	2.6997	2.955

Spectrum Plot of Worst Value	
Occupied bandwidth	26 dB Bandwidth
	
QPSK CH 26675 (1913.5 MHz)	QPSK CH 26675 (1913.5 MHz)

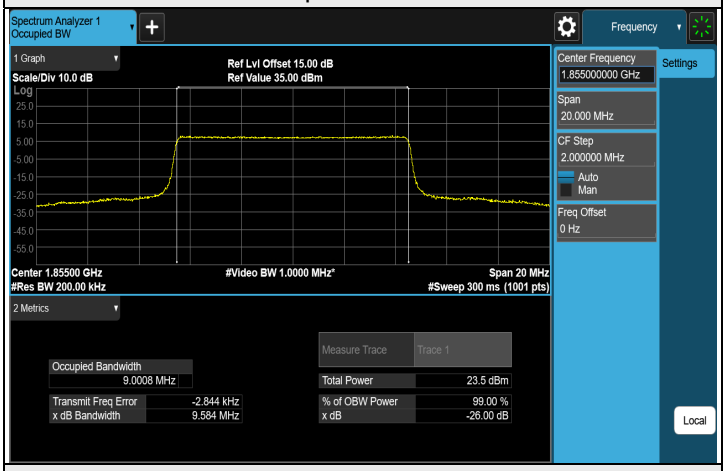
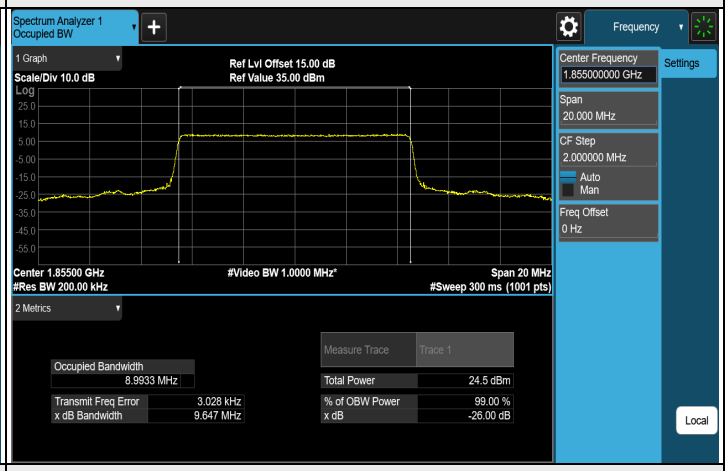
LTE Band 25 - Ant 7, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	26065	1852.5	4.5008	4.894
QPSK	26365	1882.5	4.4990	4.910
QPSK	26665	1912.5	4.5000	4.906
16QAM	26065	1852.5	4.4960	4.873
16QAM	26365	1882.5	4.4982	4.873
16QAM	26665	1912.5	4.4992	4.910
64QAM	26065	1852.5	4.4932	4.879
64QAM	26365	1882.5	4.4948	4.839
64QAM	26665	1912.5	4.4945	4.862
256QAM	26065	1852.5	4.4929	4.893
256QAM	26365	1882.5	4.4938	4.866
256QAM	26665	1912.5	4.4925	4.867

Spectrum Plot of Worst Value	
Occupied bandwidth	26 dB Bandwidth
	
QPSK CH 26065 (1852.5 MHz)	QPSK CH 26365 (1882.5 MHz)

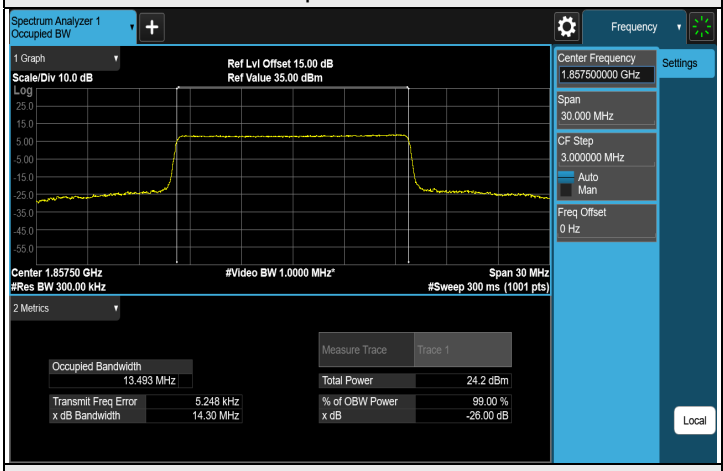
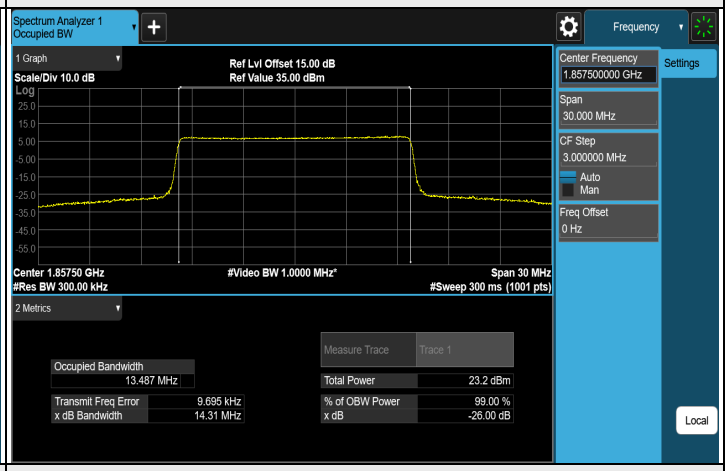
LTE Band 25 - Ant 7, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	26090	1855	8.9933	9.647
QPSK	26365	1882.5	8.9895	9.583
QPSK	26640	1910	8.9972	9.598
16QAM	26090	1855	9.0008	9.584
16QAM	26365	1882.5	8.9952	9.566
16QAM	26640	1910	8.9978	9.639
64QAM	26090	1855	8.9944	9.551
64QAM	26365	1882.5	8.9861	9.565
64QAM	26640	1910	8.9874	9.556
256QAM	26090	1855	8.9889	9.577
256QAM	26365	1882.5	8.9872	9.556
256QAM	26640	1910	8.9883	9.584

Spectrum Plot of Worst Value	
Occupied bandwidth	26 dB Bandwidth
	
16QAM CH 26090 (1855 MHz)	QPSK CH 26090 (1855 MHz)

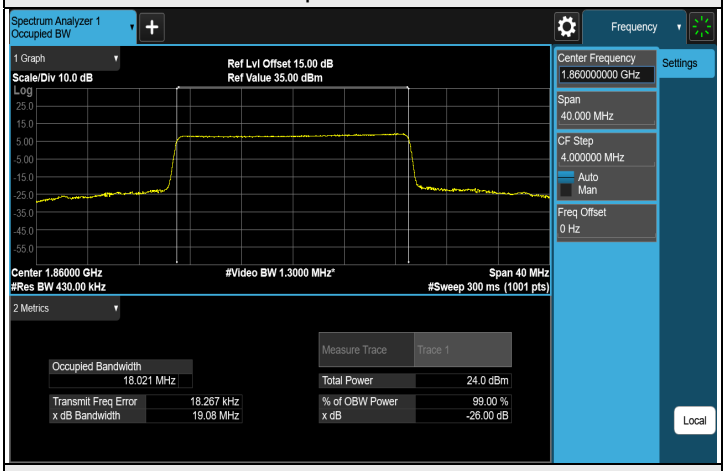
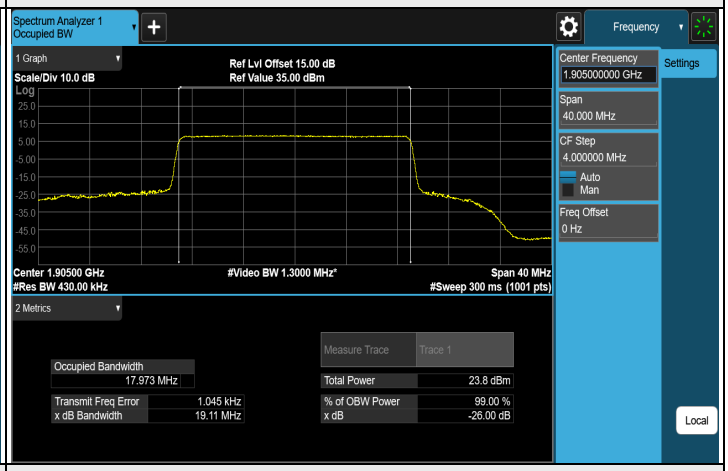
LTE Band 25 - Ant 7, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	26115	1857.5	13.4932	14.303
QPSK	26365	1882.5	13.4804	14.260
QPSK	26615	1907.5	13.4745	14.290
16QAM	26115	1857.5	13.4868	14.314
16QAM	26365	1882.5	13.4724	14.292
16QAM	26615	1907.5	13.4726	14.309
64QAM	26115	1857.5	13.4859	14.277
64QAM	26365	1882.5	13.4746	14.278
64QAM	26615	1907.5	13.4753	14.260
256QAM	26115	1857.5	13.4821	14.274
256QAM	26365	1882.5	13.4778	14.248
256QAM	26615	1907.5	13.4749	14.236

Spectrum Plot of Worst Value	
Occupied bandwidth	26 dB Bandwidth
	
QPSK CH 26115 (1857.5 MHz)	16QAM CH 26115 (1857.5 MHz)

LTE Band 25 - Ant 7, Channel Bandwidth: 20 MHz

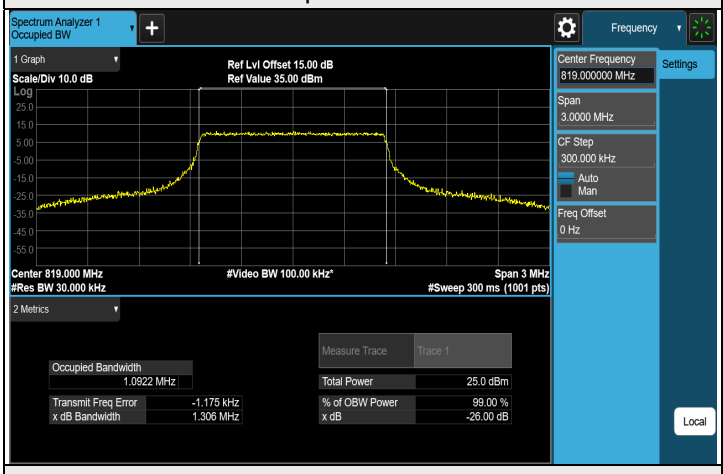
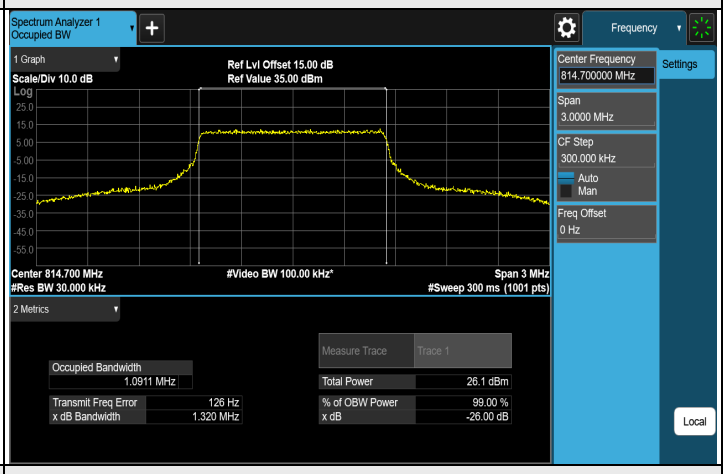
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	26140	1860	18.0207	19.079
QPSK	26365	1882.5	17.9928	19.065
QPSK	26590	1905	17.9732	19.107
16QAM	26140	1860	18.0095	19.062
16QAM	26365	1882.5	17.9859	19.055
16QAM	26590	1905	17.9680	19.054
64QAM	26140	1860	18.0036	19.048
64QAM	26365	1882.5	17.9827	19.060
64QAM	26590	1905	17.9693	19.042
256QAM	26140	1860	18.0108	19.021
256QAM	26365	1882.5	17.9832	19.049
256QAM	26590	1905	17.9577	19.046

Spectrum Plot of Worst Value	
Occupied bandwidth	26 dB Bandwidth
	
QPSK CH 26140 (1860 MHz)	QPSK CH 26590 (1905 MHz)

7.4.10 LTE Band 26 (814 MHz ~ 824 MHz)

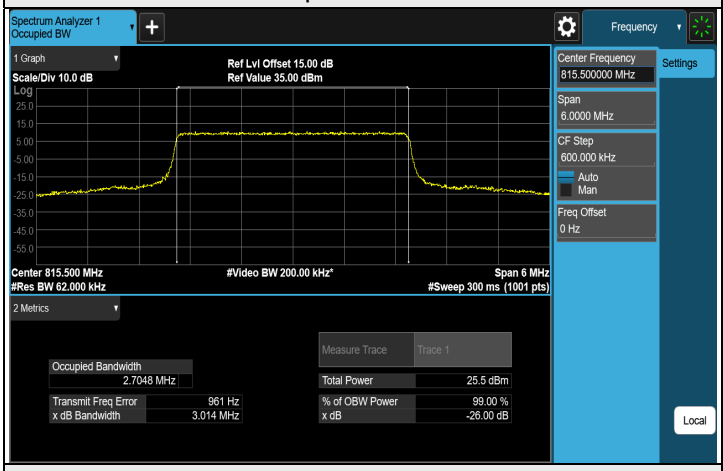
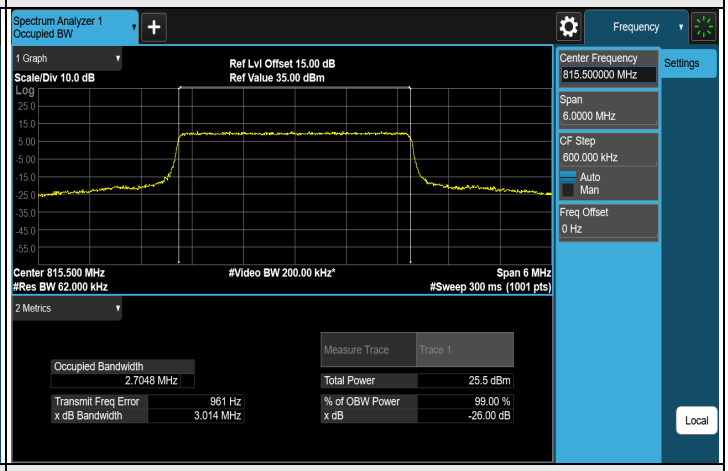
LTE Band 26 (814 MHz ~ 824 MHz) - Ant 0, Channel Bandwidth: 1.4 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	26697	814.7	1.0911	1.320
QPSK	26740	819	1.0913	1.296
QPSK	26783	823.3	1.0917	1.309
16QAM	26697	814.7	1.0916	1.316
16QAM	26740	819	1.0922	1.306
16QAM	26783	823.3	1.0920	1.314
64QAM	26697	814.7	1.0888	1.306
64QAM	26740	819	1.0913	1.291
64QAM	26783	823.3	1.0919	1.297
256QAM	26697	814.7	1.0907	1.296
256QAM	26740	819	1.0906	1.301
256QAM	26783	823.3	1.0885	1.297

Spectrum Plot of Worst Value	
Occupied bandwidth	26 dB Bandwidth
	
16QAM CH 26740 (819 MHz)	QPSK CH 26697 (814.7 MHz)

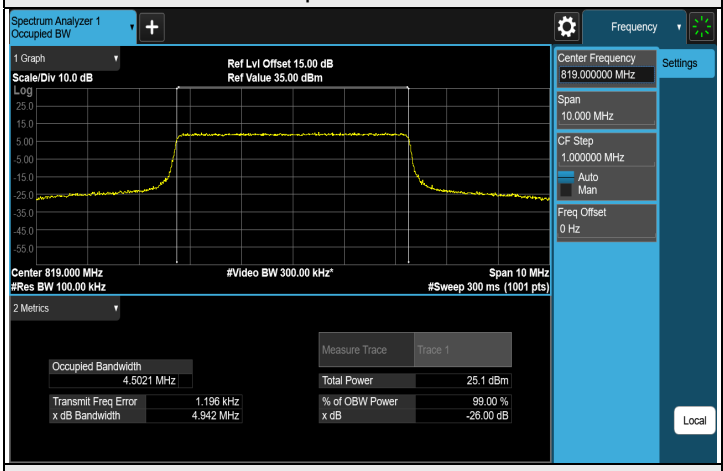
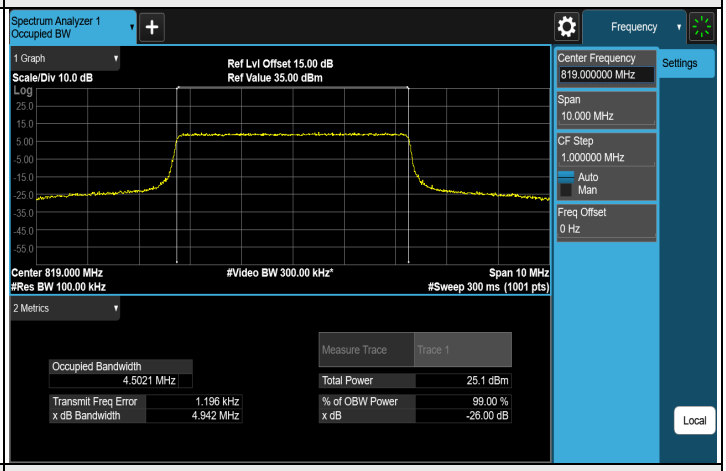
LTE Band 26 (814 MHz ~ 824 MHz) - Ant 0, Channel Bandwidth: 3 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	26705	815.5	2.7048	3.014
QPSK	26740	819	2.7033	2.996
QPSK	26775	822.5	2.7039	2.942
16QAM	26705	815.5	2.6986	2.973
16QAM	26740	819	2.7041	2.990
16QAM	26775	822.5	2.7035	2.959
64QAM	26705	815.5	2.7009	2.961
64QAM	26740	819	2.7016	2.952
64QAM	26775	822.5	2.7028	2.967
256QAM	26705	815.5	2.7010	2.954
256QAM	26740	819	2.7004	2.969
256QAM	26775	822.5	2.7004	2.948

Spectrum Plot of Worst Value	
Occupied bandwidth	26 dB Bandwidth
	
QPSK CH 26705 (815.5 MHz)	QPSK CH 26705 (815.5 MHz)

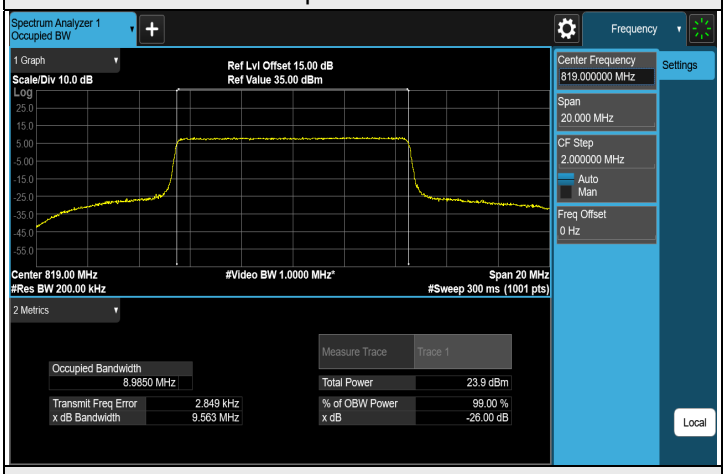
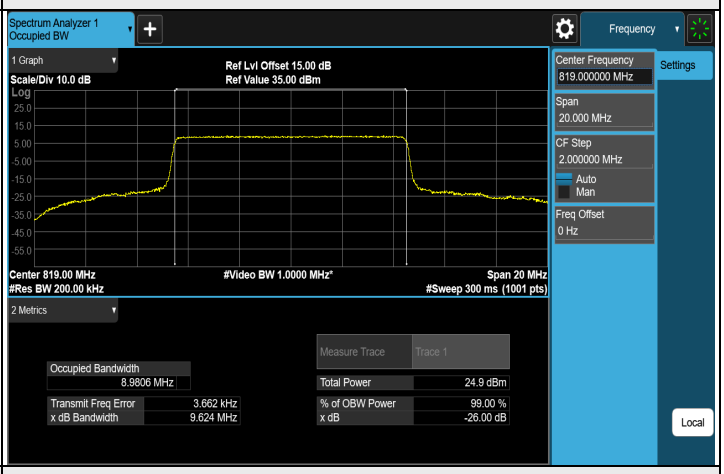
LTE Band 26 (814 MHz ~ 824 MHz) - Ant 0, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	26715	816.5	4.5001	4.941
QPSK	26740	819	4.5021	4.942
QPSK	26765	821.5	4.4972	4.911
16QAM	26715	816.5	4.5000	4.927
16QAM	26740	819	4.4977	4.894
16QAM	26765	821.5	4.4960	4.888
64QAM	26715	816.5	4.4960	4.894
64QAM	26740	819	4.4919	4.876
64QAM	26765	821.5	4.4934	4.890
256QAM	26715	816.5	4.4982	4.899
256QAM	26740	819	4.4977	4.868
256QAM	26765	821.5	4.4942	4.852

Spectrum Plot of Worst Value	
Occupied bandwidth	26 dB Bandwidth
	
QPSK CH 26740 (819 MHz)	QPSK CH 26740 (819 MHz)

LTE Band 26 (814 MHz ~ 824 MHz) - Ant 0, Channel Bandwidth: 10 MHz

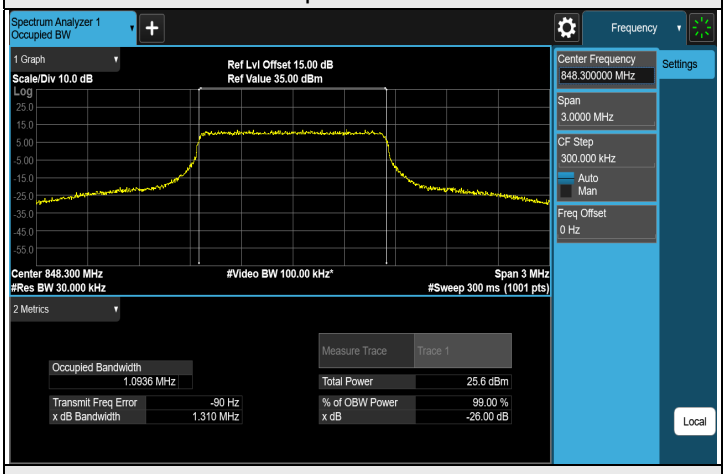
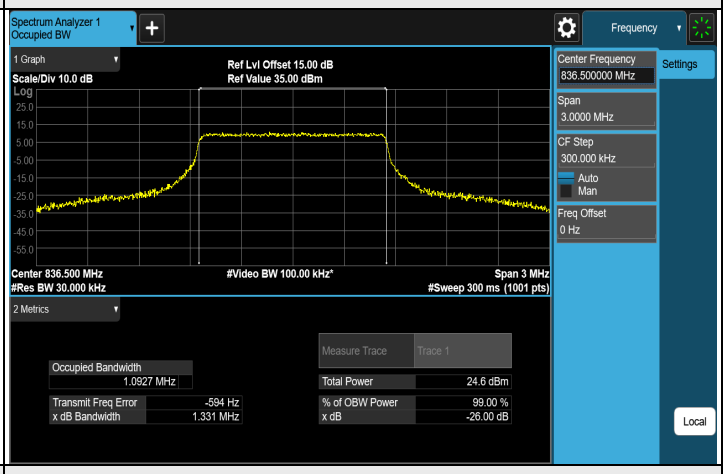
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	26740	819	8.9806	9.624
16QAM	26740	819	8.9850	9.563
64QAM	26740	819	8.9768	9.556
256QAM	26740	819	8.9760	9.551

Spectrum Plot of Worst Value	
Occupied bandwidth	26 dB Bandwidth
	
16QAM CH 26740 (819 MHz)	QPSK CH 26740 (819 MHz)

7.4.11 LTE Band 26 (824 MHz ~ 849 MHz)

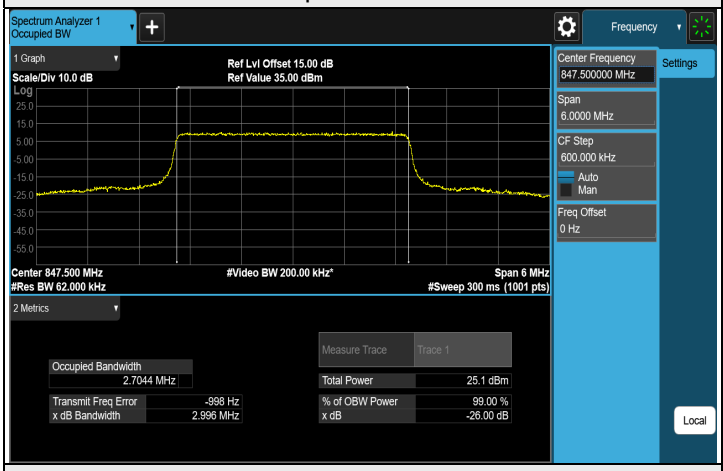
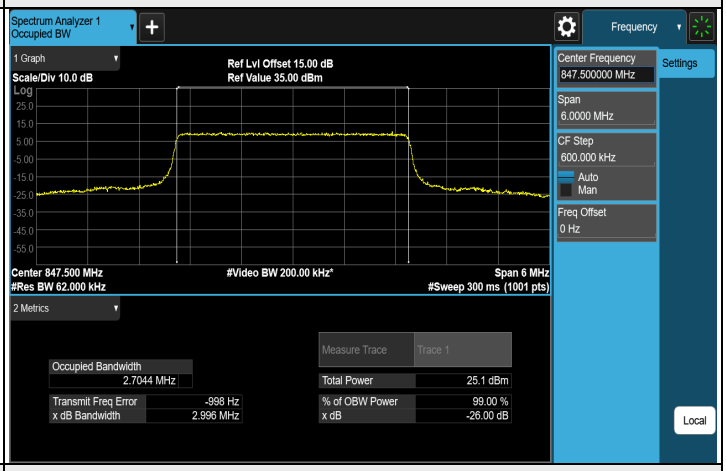
LTE Band 26 (824 MHz ~ 849 MHz) - Ant 0, Channel Bandwidth: 1.4 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	26797	824.7	1.0919	1.311
QPSK	26915	836.5	1.0903	1.315
QPSK	27033	848.3	1.0936	1.310
16QAM	26797	824.7	1.0927	1.318
16QAM	26915	836.5	1.0927	1.331
16QAM	27033	848.3	1.0925	1.317
64QAM	26797	824.7	1.0907	1.287
64QAM	26915	836.5	1.0903	1.288
64QAM	27033	848.3	1.0919	1.308
256QAM	26797	824.7	1.0917	1.293
256QAM	26915	836.5	1.0910	1.304
256QAM	27033	848.3	1.0907	1.299

Spectrum Plot of Worst Value	
Occupied bandwidth	26 dB Bandwidth
	
QPSK CH 27033 (848.3 MHz)	16QAM CH 26915 (836.5 MHz)

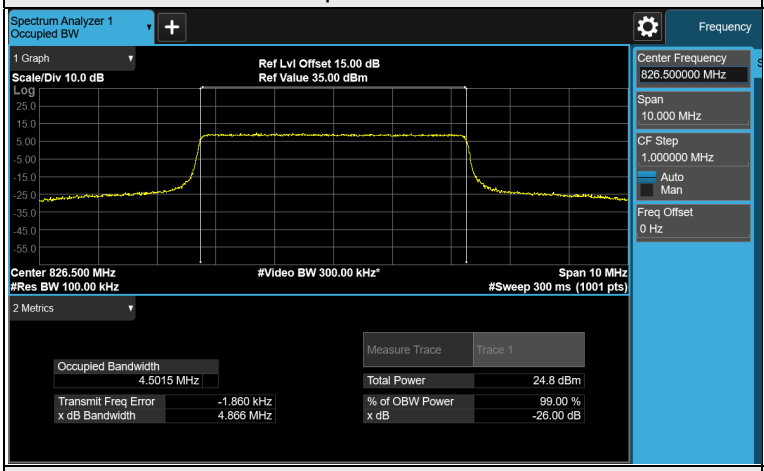
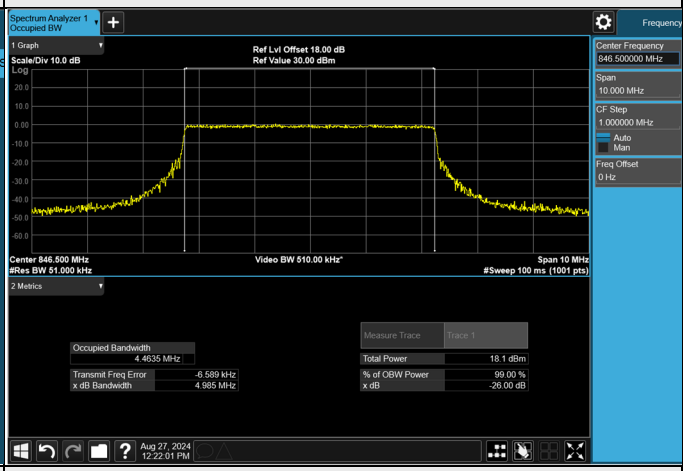
LTE Band 26 (824 MHz ~ 849 MHz) - Ant 0, Channel Bandwidth: 3 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	26805	825.5	2.7029	2.942
QPSK	26915	836.5	2.7016	2.956
QPSK	27025	847.5	2.7044	2.996
16QAM	26805	825.5	2.7019	2.971
16QAM	26915	836.5	2.7021	2.962
16QAM	27025	847.5	2.7001	2.980
64QAM	26805	825.5	2.7006	2.971
64QAM	26915	836.5	2.7017	2.965
64QAM	27025	847.5	2.7012	2.945
256QAM	26805	825.5	2.7028	2.949
256QAM	26915	836.5	2.7017	2.988
256QAM	27025	847.5	2.7010	2.937

Spectrum Plot of Worst Value	
Occupied bandwidth	26 dB Bandwidth
	
QPSK CH 27025 (847.5 MHz)	QPSK CH 27025 (847.5 MHz)

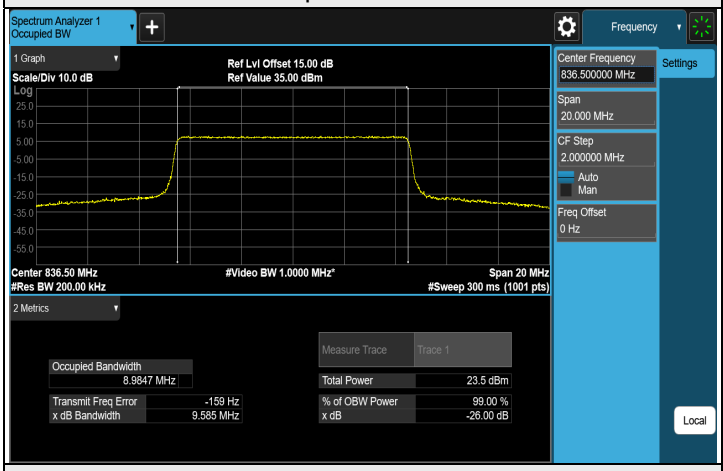
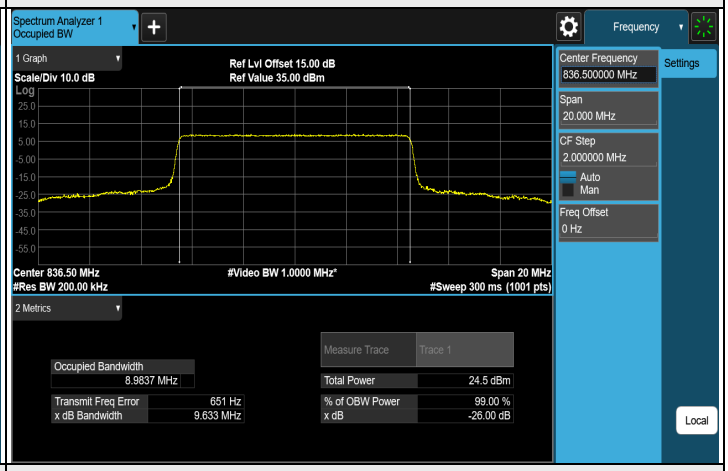
LTE Band 26 (824 MHz ~ 849 MHz) - Ant 0, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	26815	826.5	4.5015	4.866
QPSK	26915	836.5	4.4990	4.954
QPSK	27015	846.5	4.4635	4.985
16QAM	26815	826.5	4.5006	4.904
16QAM	26915	836.5	4.4952	4.887
16QAM	27015	846.5	4.4608	4.884
64QAM	26815	826.5	4.4968	4.883
64QAM	26915	836.5	4.4942	4.905
64QAM	27015	846.5	4.4720	4.794
256QAM	26815	826.5	4.4977	4.858
256QAM	26915	836.5	4.4982	4.847
256QAM	27015	846.5	4.4980	4.859

Spectrum Plot of Worst Value	
Occupied bandwidth	26 dB Bandwidth
	
QPSK CH 26815 (826.5 MHz)	QPSK CH 27015 (846.5 MHz)

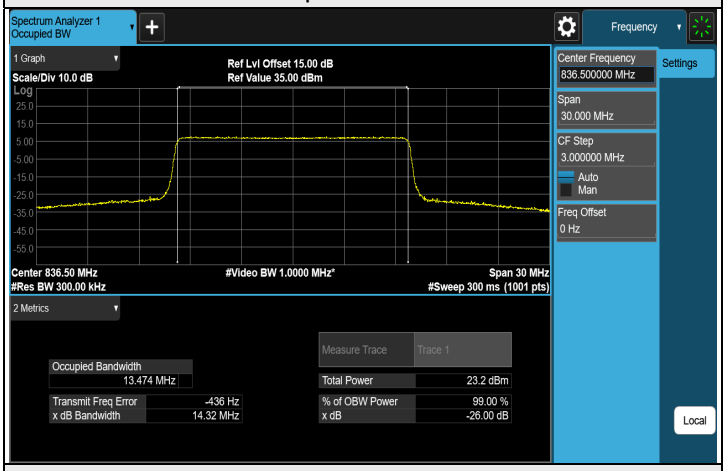
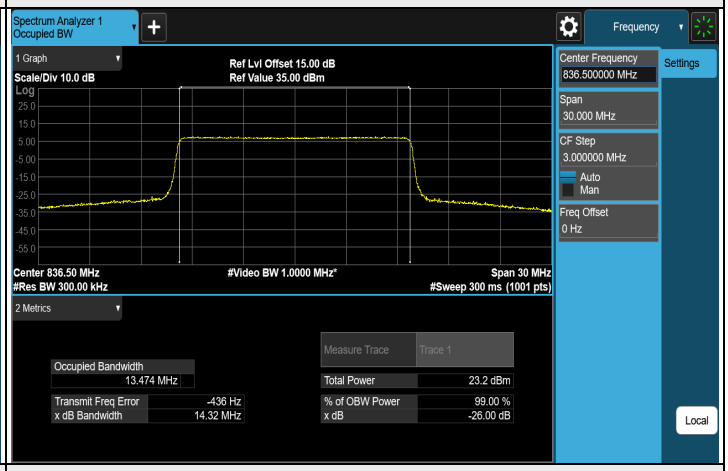
LTE Band 26 (824 MHz ~ 849 MHz) - Ant 0, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	26840	829	8.9828	9.606
QPSK	26915	836.5	8.9837	9.633
QPSK	26990	844	8.9771	9.564
16QAM	26840	829	8.9779	9.575
16QAM	26915	836.5	8.9847	9.585
16QAM	26990	844	8.9703	9.529
64QAM	26840	829	8.9725	9.574
64QAM	26915	836.5	8.9827	9.560
64QAM	26990	844	8.9773	9.536
256QAM	26840	829	8.9808	9.546
256QAM	26915	836.5	8.9767	9.562
256QAM	26990	844	8.9657	9.533

Spectrum Plot of Worst Value	
Occupied bandwidth	26 dB Bandwidth
	
16QAM CH 26915 (836.5 MHz)	QPSK CH 26915 (836.5 MHz)

LTE Band 26 (824 MHz ~ 849 MHz) - Ant 0, Channel Bandwidth: 15 MHz

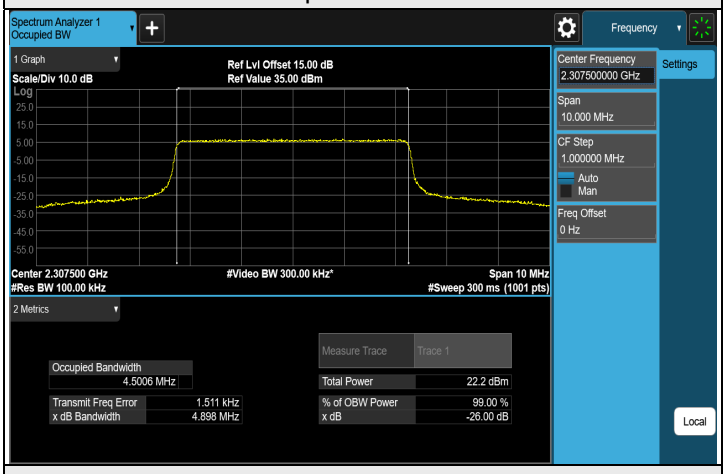
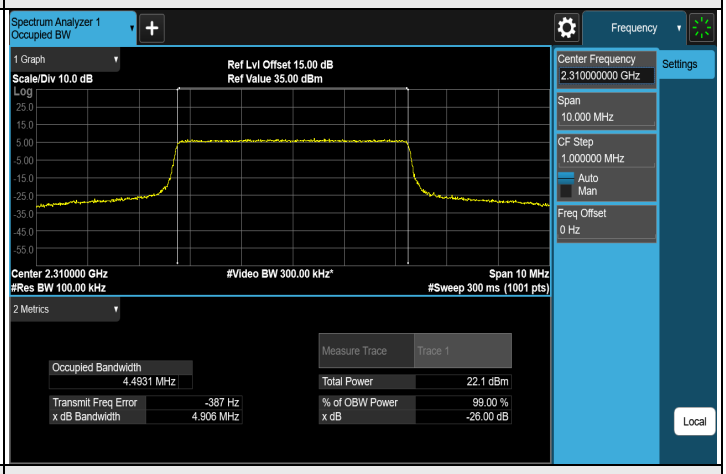
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	26865	831.5	13.4728	14.295
QPSK	26915	836.5	13.4725	14.274
QPSK	26965	841.5	13.4585	14.261
16QAM	26865	831.5	13.4689	14.296
16QAM	26915	836.5	13.4743	14.320
16QAM	26965	841.5	13.4523	14.270
64QAM	26865	831.5	13.4627	14.281
64QAM	26915	836.5	13.4669	14.271
64QAM	26965	841.5	13.4490	14.263
256QAM	26865	831.5	13.4657	14.285
256QAM	26915	836.5	13.4661	14.275
256QAM	26965	841.5	13.4538	14.249

Spectrum Plot of Worst Value	
Occupied bandwidth	26 dB Bandwidth
	
16QAM CH 26915 (836.5 MHz)	16QAM CH 26915 (836.5 MHz)

7.4.12 LTE Band 30

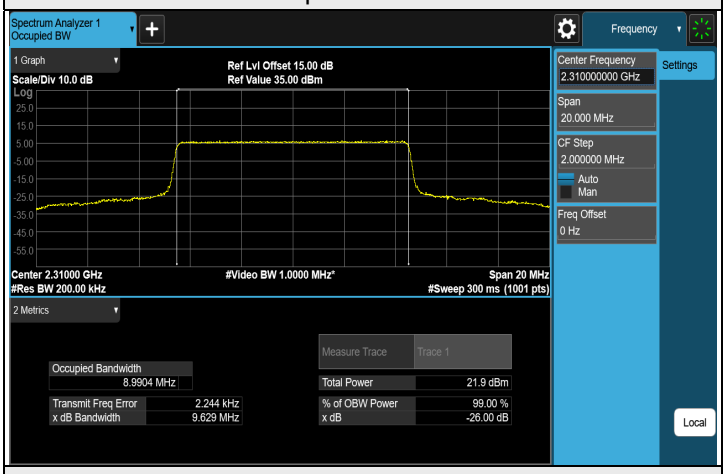
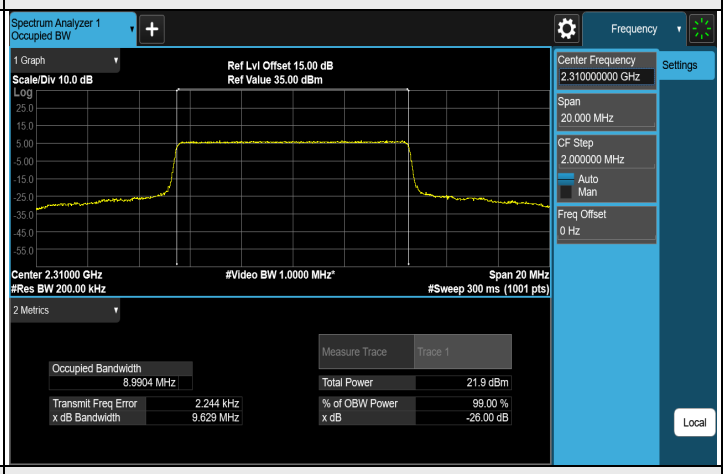
LTE Band 30 - Ant 6, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	27685	2307.5	4.5006	4.898
QPSK	27710	2310	4.4931	4.906
QPSK	27735	2312.5	4.5003	4.860
16QAM	27685	2307.5	4.4930	4.894
16QAM	27710	2310	4.4950	4.873
16QAM	27735	2312.5	4.4978	4.894
64QAM	27685	2307.5	4.4928	4.894
64QAM	27710	2310	4.4968	4.878
64QAM	27735	2312.5	4.4970	4.895
256QAM	27685	2307.5	4.4950	4.870
256QAM	27710	2310	4.4911	4.865
256QAM	27735	2312.5	4.4929	4.881

Spectrum Plot of Worst Value	
Occupied bandwidth	26 dB Bandwidth
	
QPSK CH 27685 (2307.5 MHz)	QPSK CH 27710 (2310 MHz)

LTE Band 30 - Ant 6, Channel Bandwidth: 10 MHz

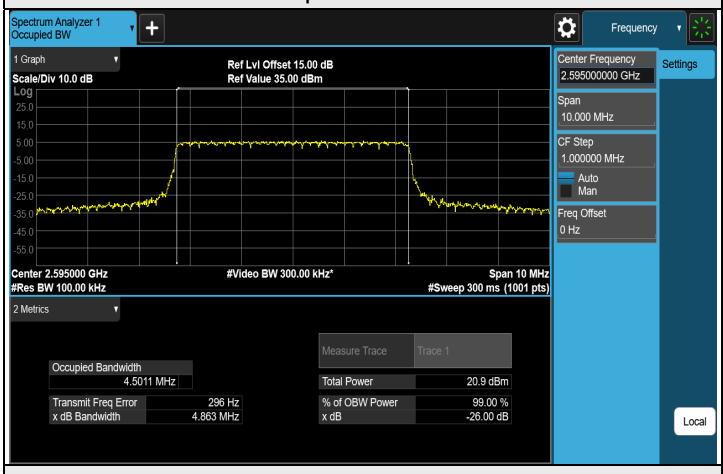
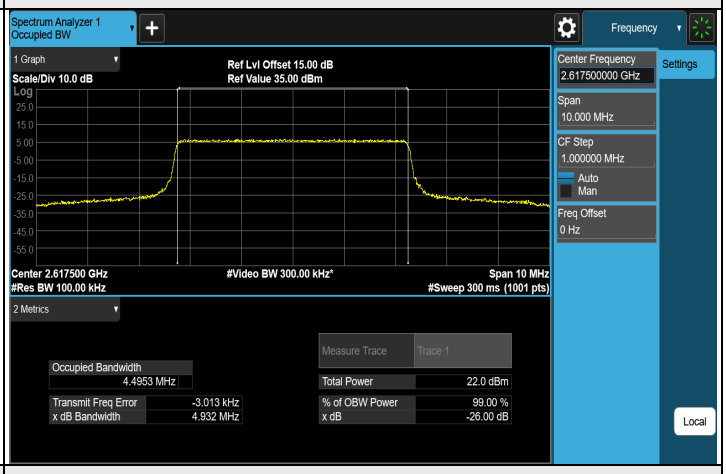
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	27710	2310	8.9904	9.629
16QAM	27710	2310	8.9861	9.586
64QAM	27710	2310	8.9813	9.558
256QAM	27710	2310	8.9778	9.569

Spectrum Plot of Worst Value	
Occupied bandwidth	26 dB Bandwidth
	
QPSK CH 27710 (2310 MHz)	QPSK CH 27710 (2310 MHz)

7.4.13 LTE Band 38

LTE Band 38 - Ant 6, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	37775	2572.5	4.4945	4.925
QPSK	38000	2595	4.4923	4.860
QPSK	38225	2617.5	4.4953	4.932
16QAM	37775	2572.5	4.4927	4.847
16QAM	38000	2595	4.5011	4.863
16QAM	38225	2617.5	4.4884	4.851
64QAM	37775	2572.5	4.4873	4.866
64QAM	38000	2595	4.4905	4.868
64QAM	38225	2617.5	4.4898	4.826
256QAM	37775	2572.5	4.4978	4.886
256QAM	38000	2595	4.4933	4.881
256QAM	38225	2617.5	4.4911	4.837

Spectrum Plot of Worst Value	
Occupied bandwidth	26 dB Bandwidth
	
16QAM CH 38000 (2595 MHz)	QPSK CH 38225 (2617.5 MHz)